

Fig. 1

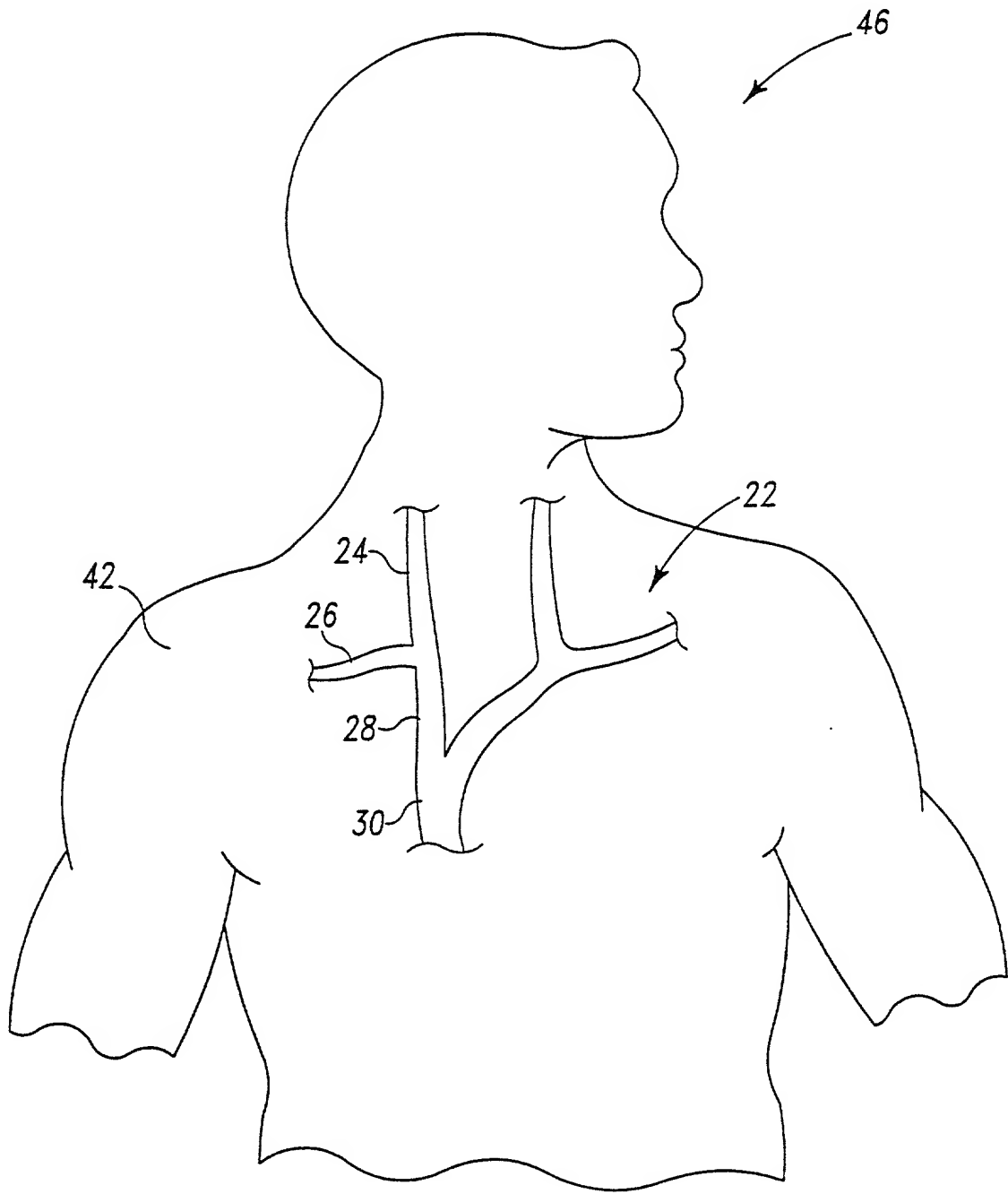


Fig. 2

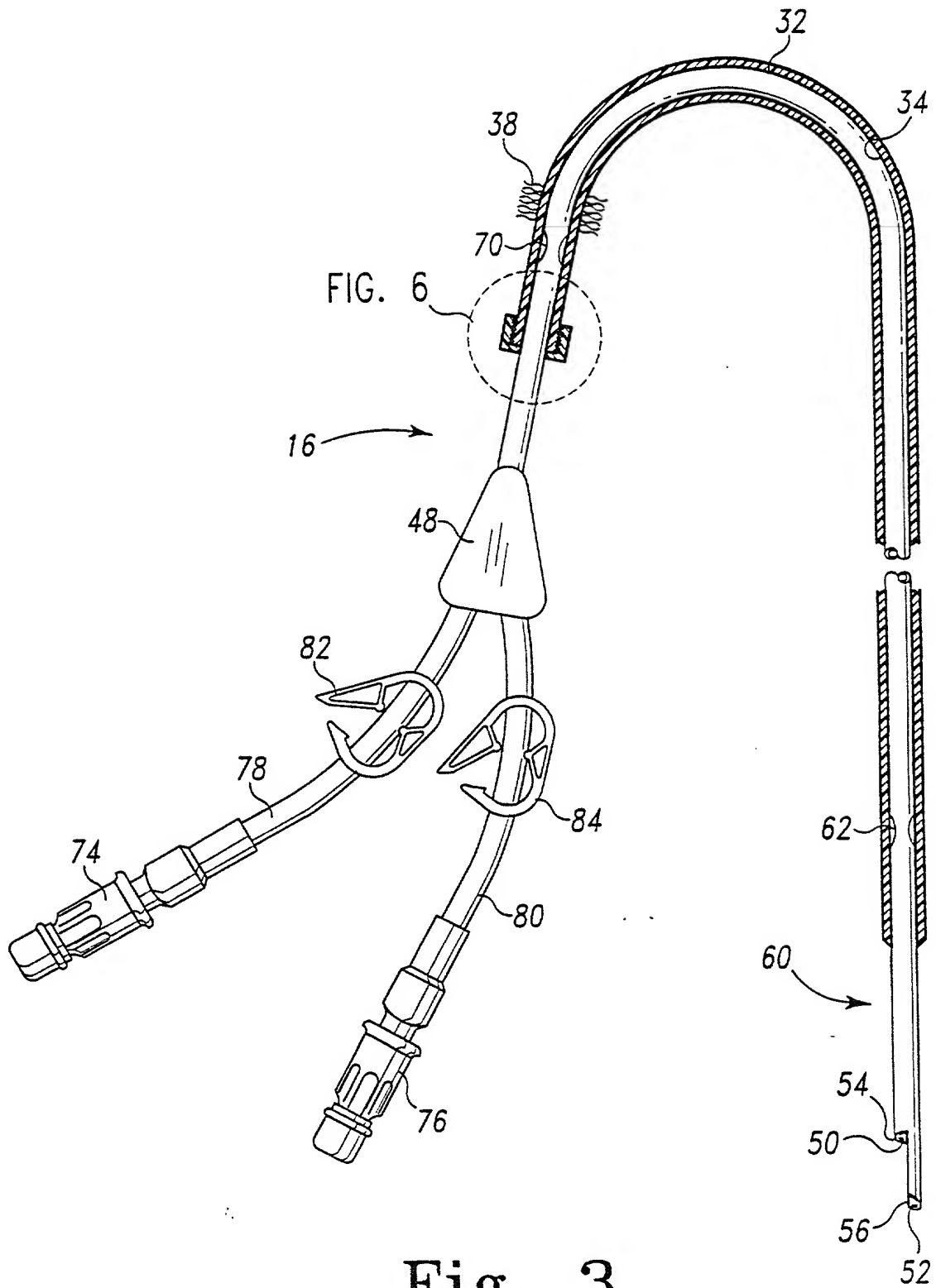
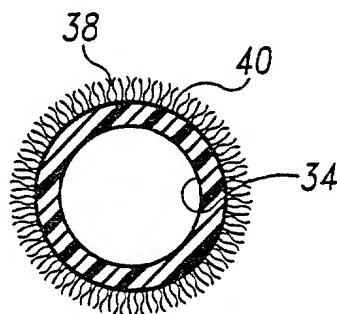
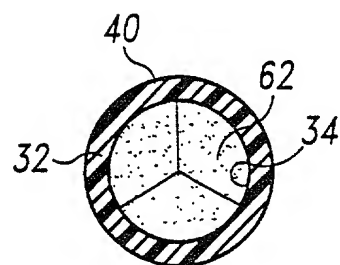
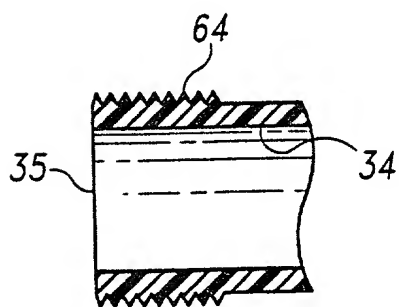
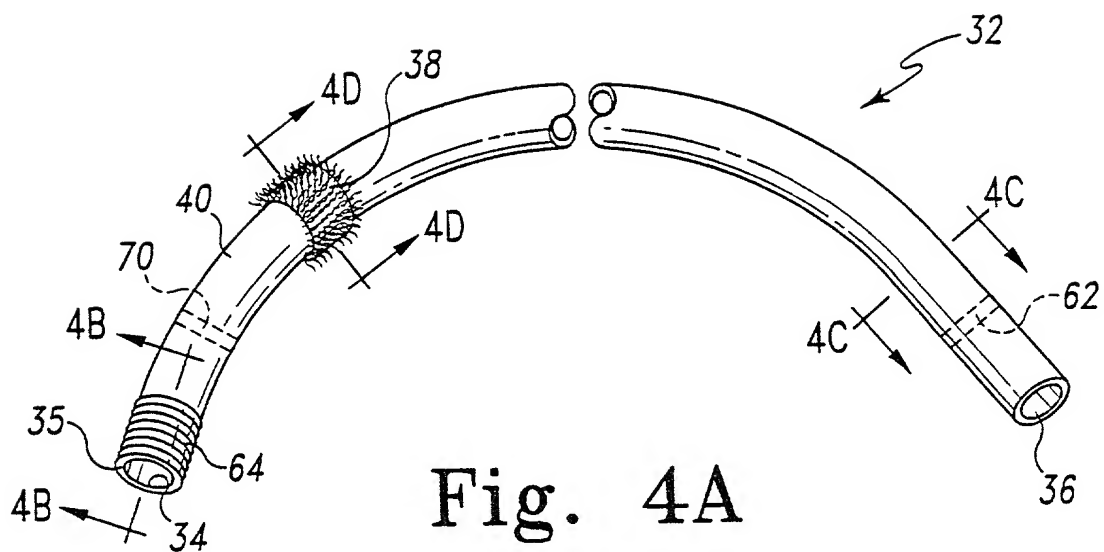


Fig. 3



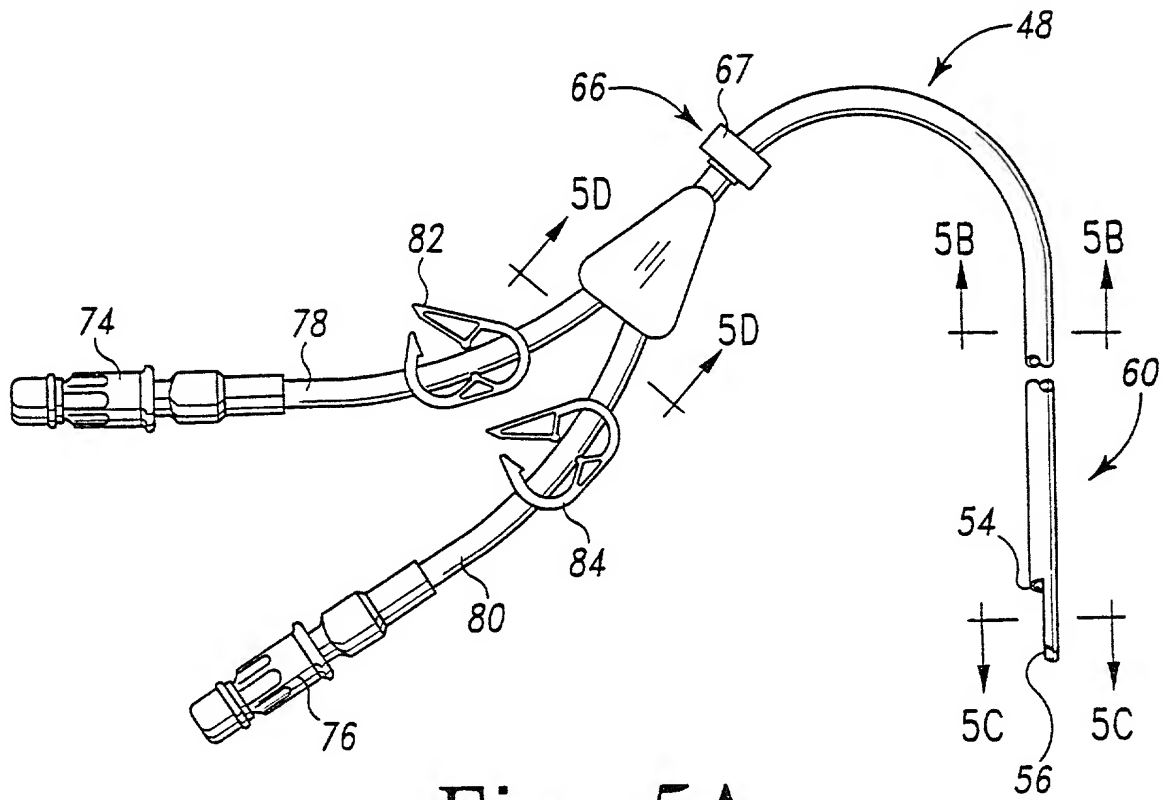


Fig. 5A



Fig. 5B

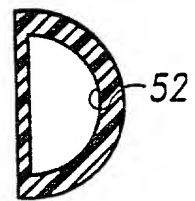


Fig. 5C

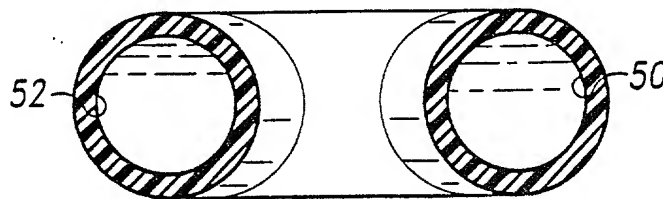


Fig. 5D

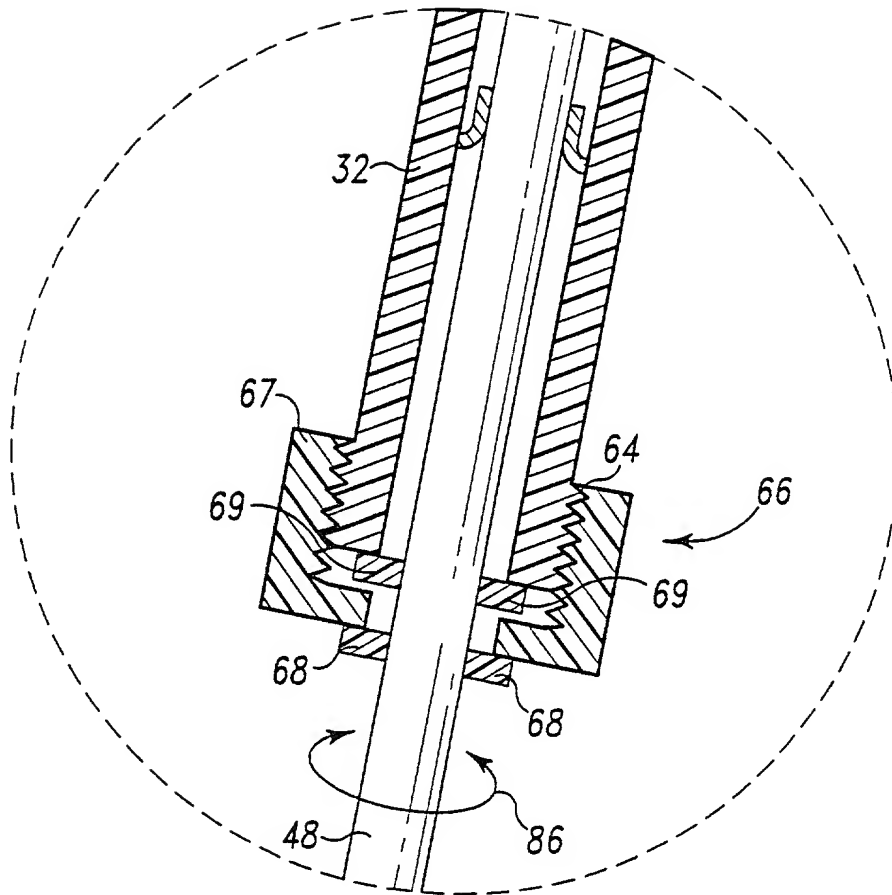


Fig. 6

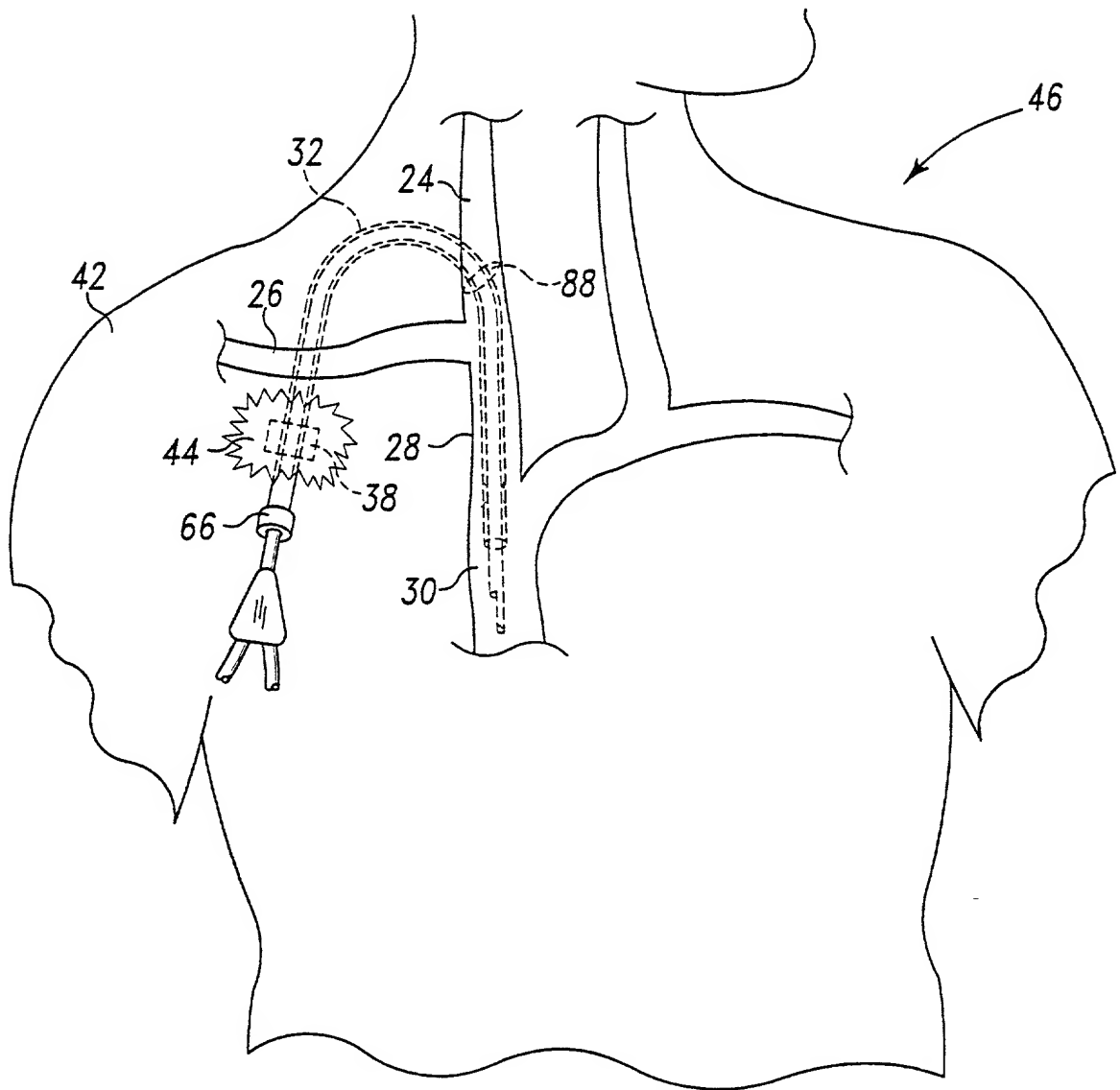


Fig. 7

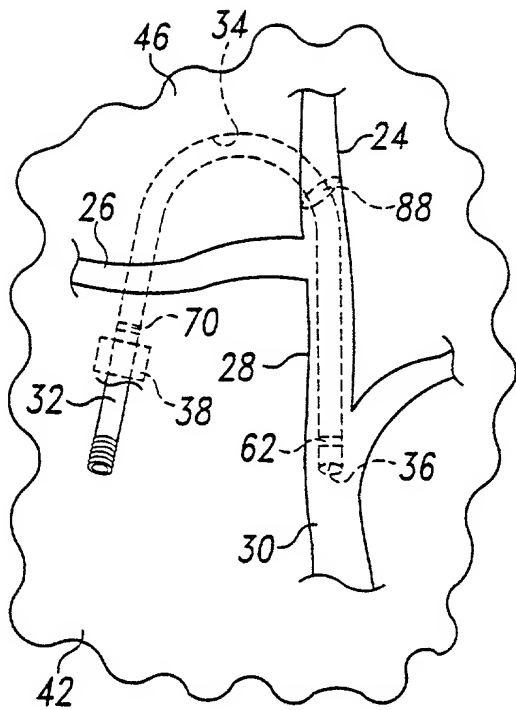


Fig. 8

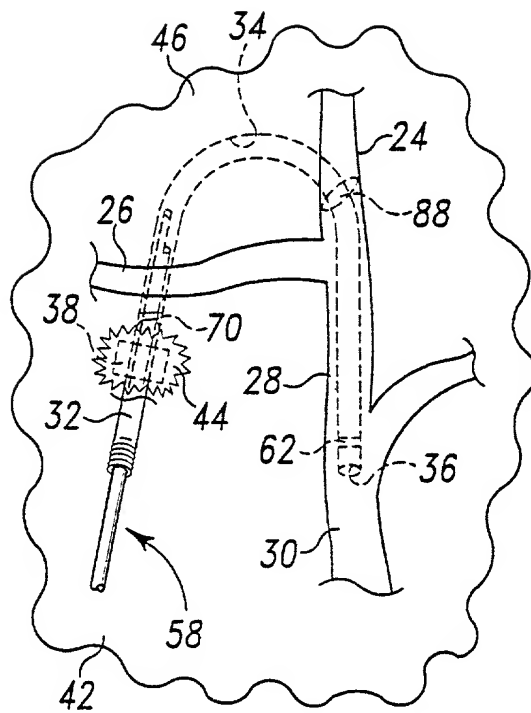


Fig. 9

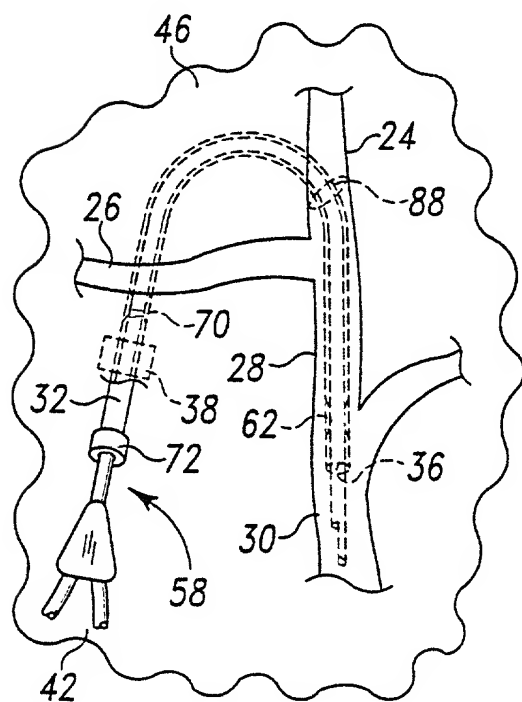


Fig. 10



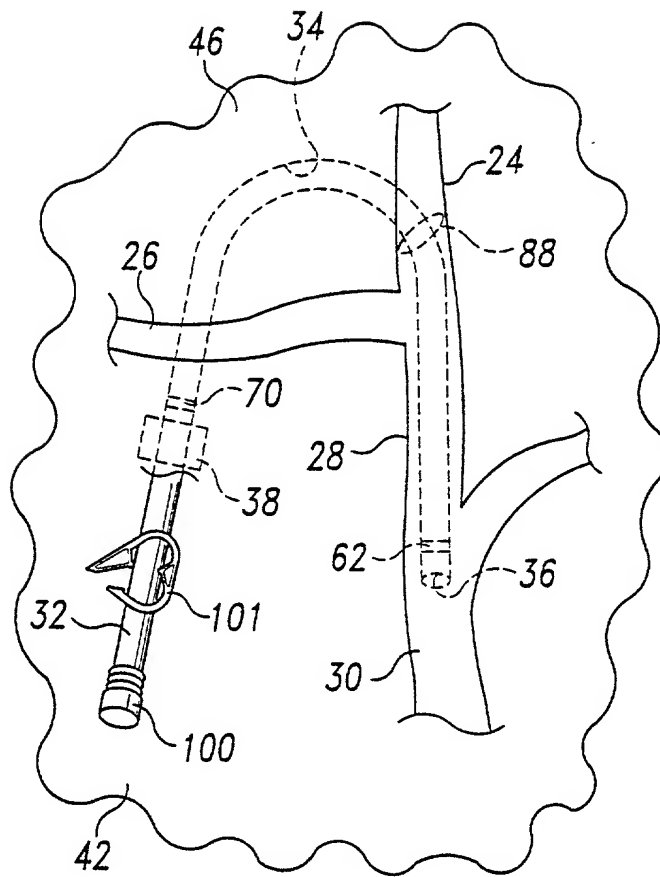


Fig. 11

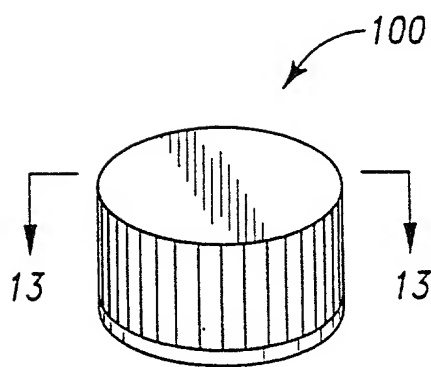


Fig. 12

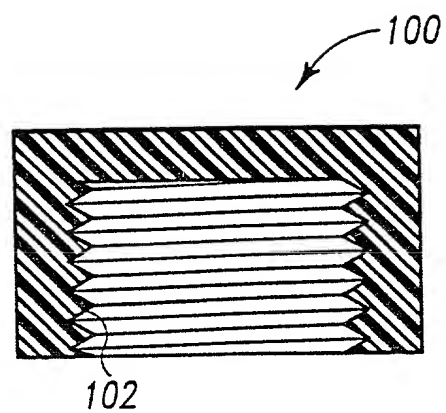
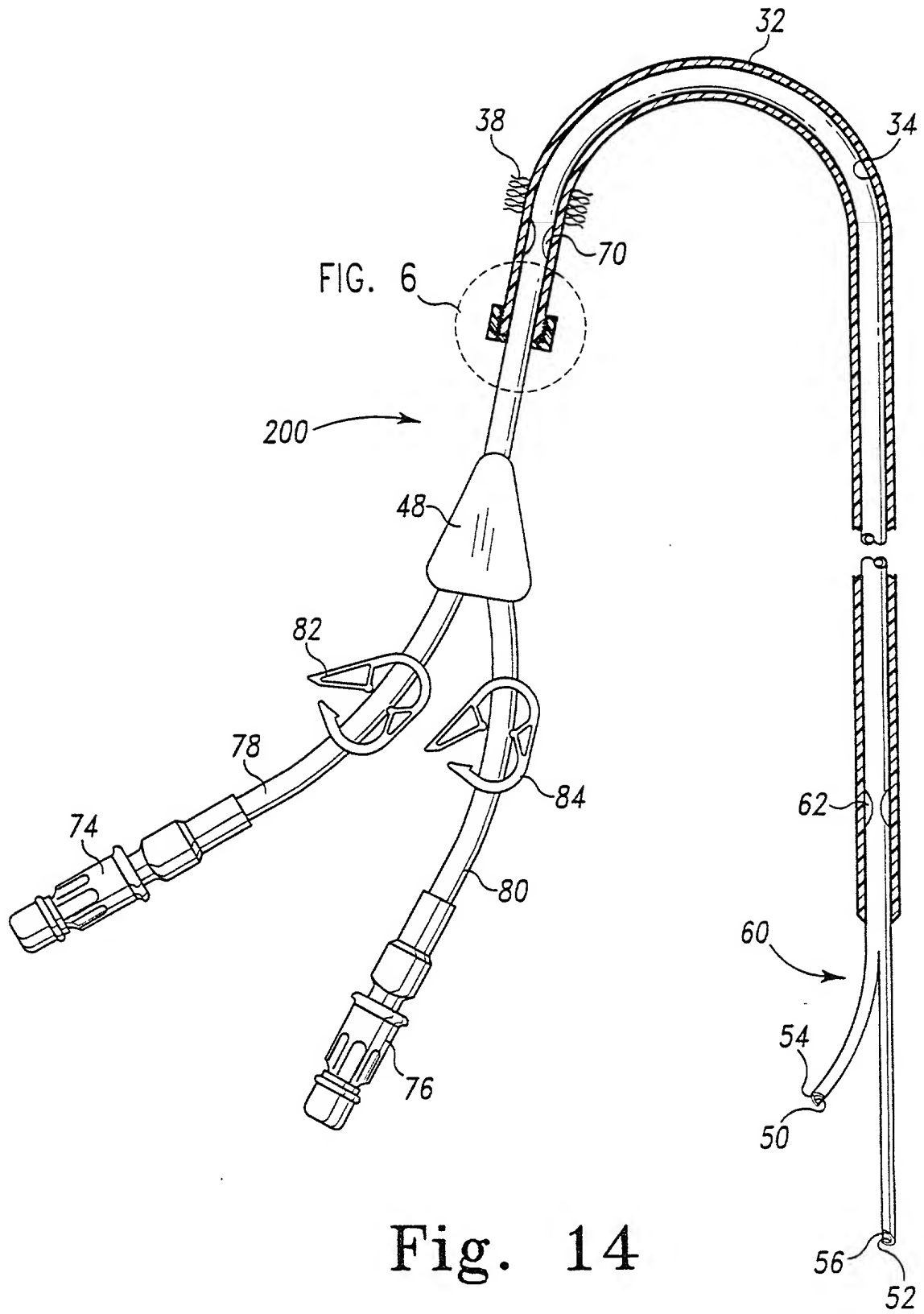


Fig. 13



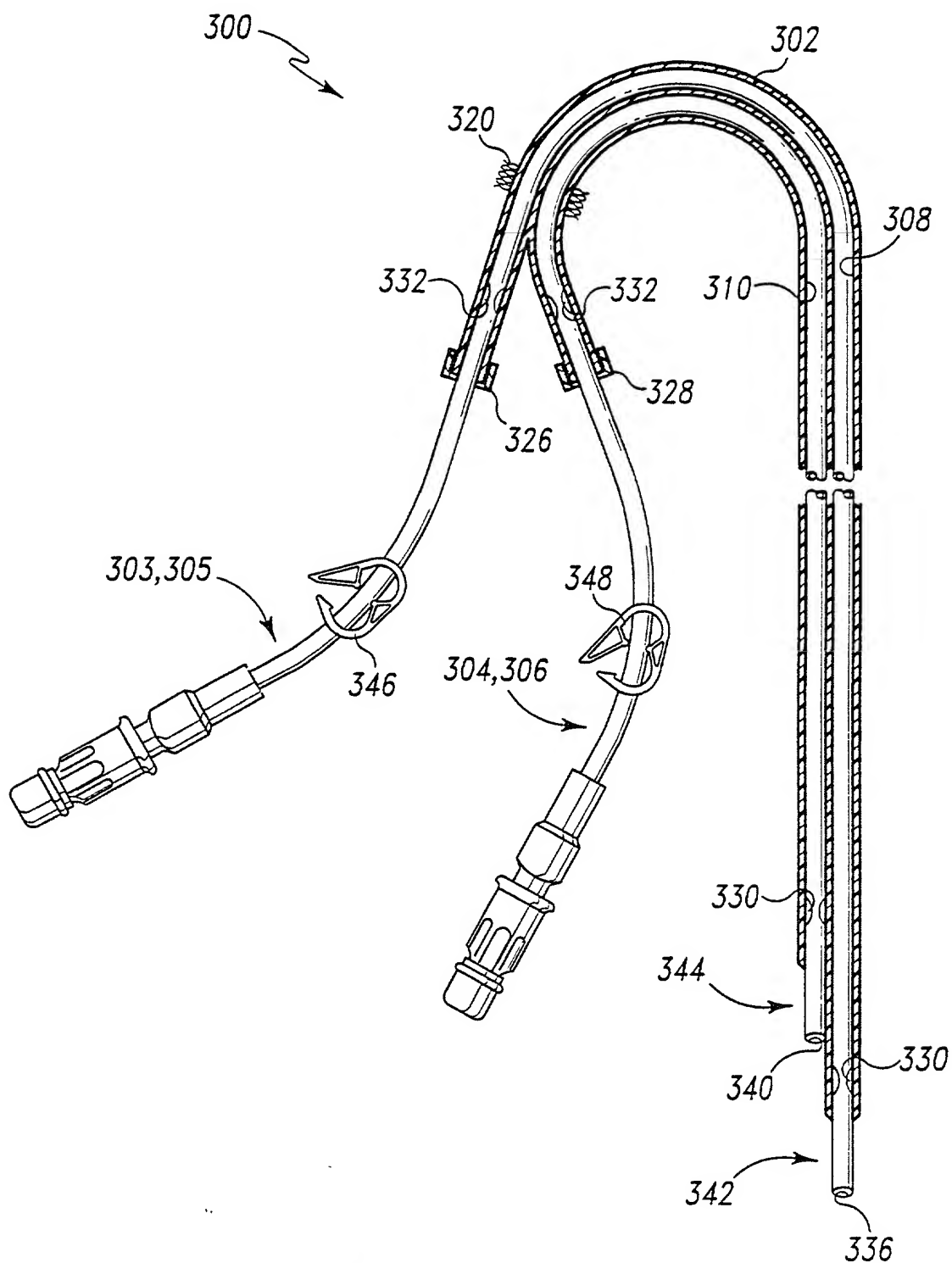


Fig. 15

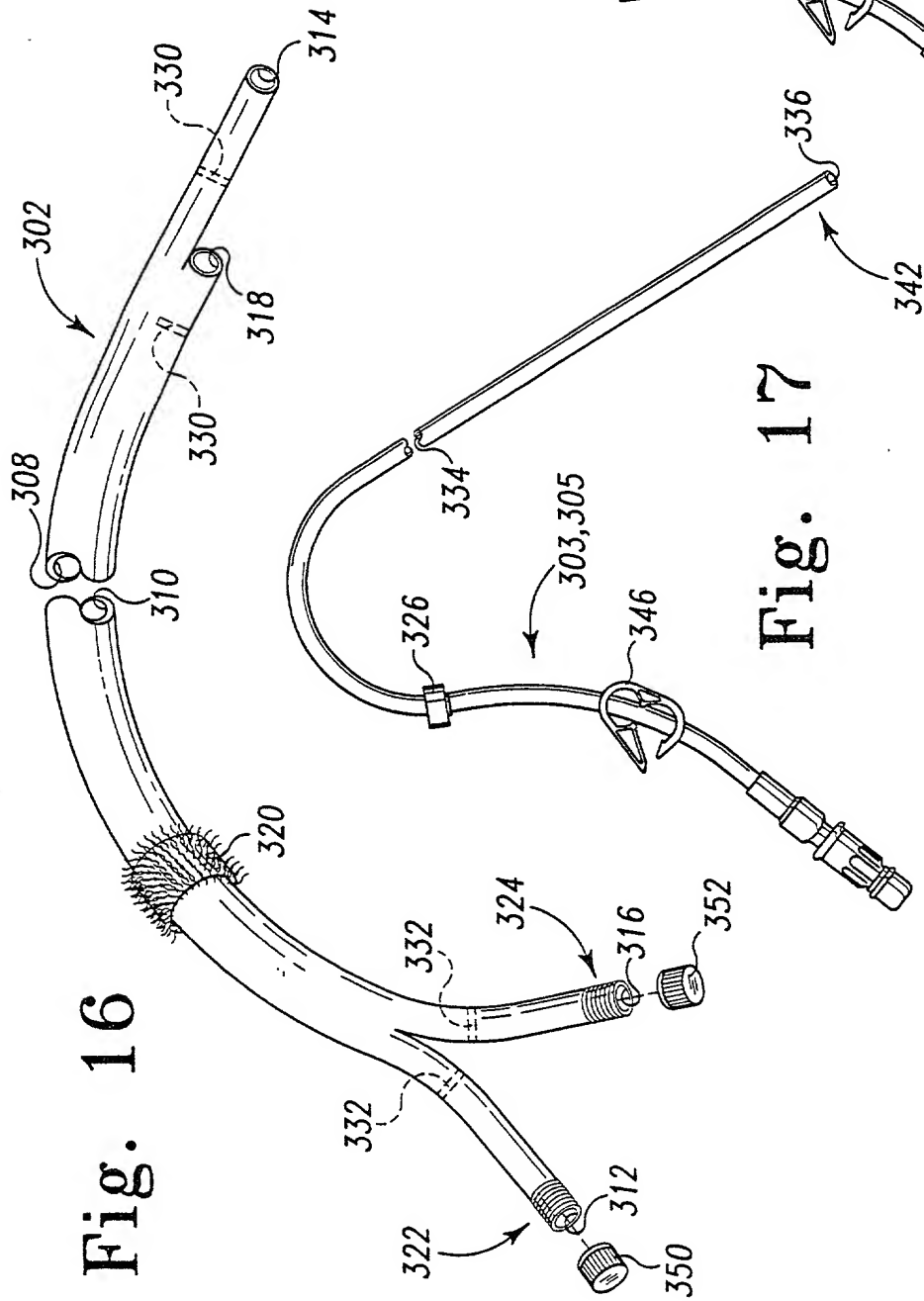


Fig. 17

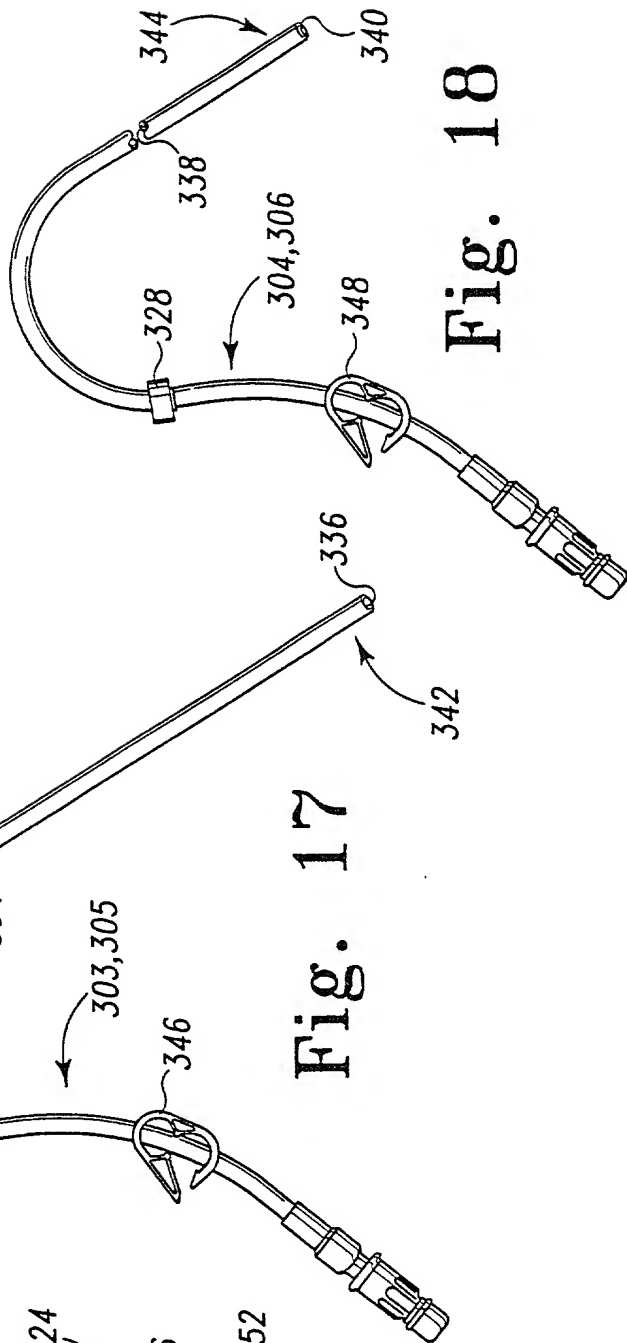
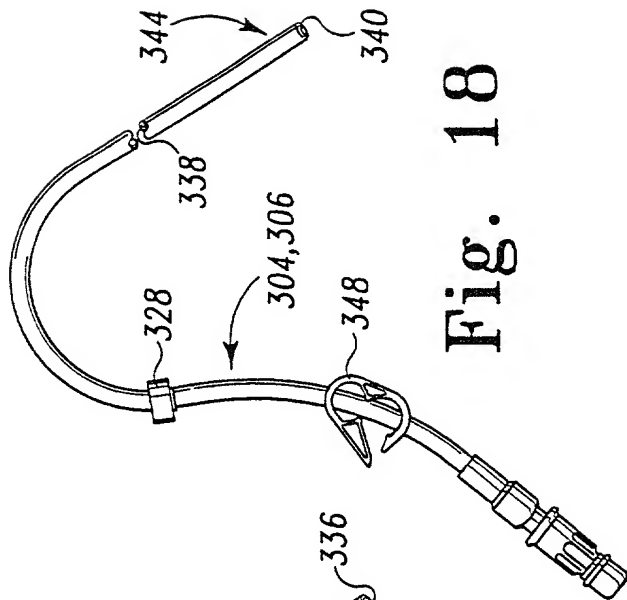


Fig. 18



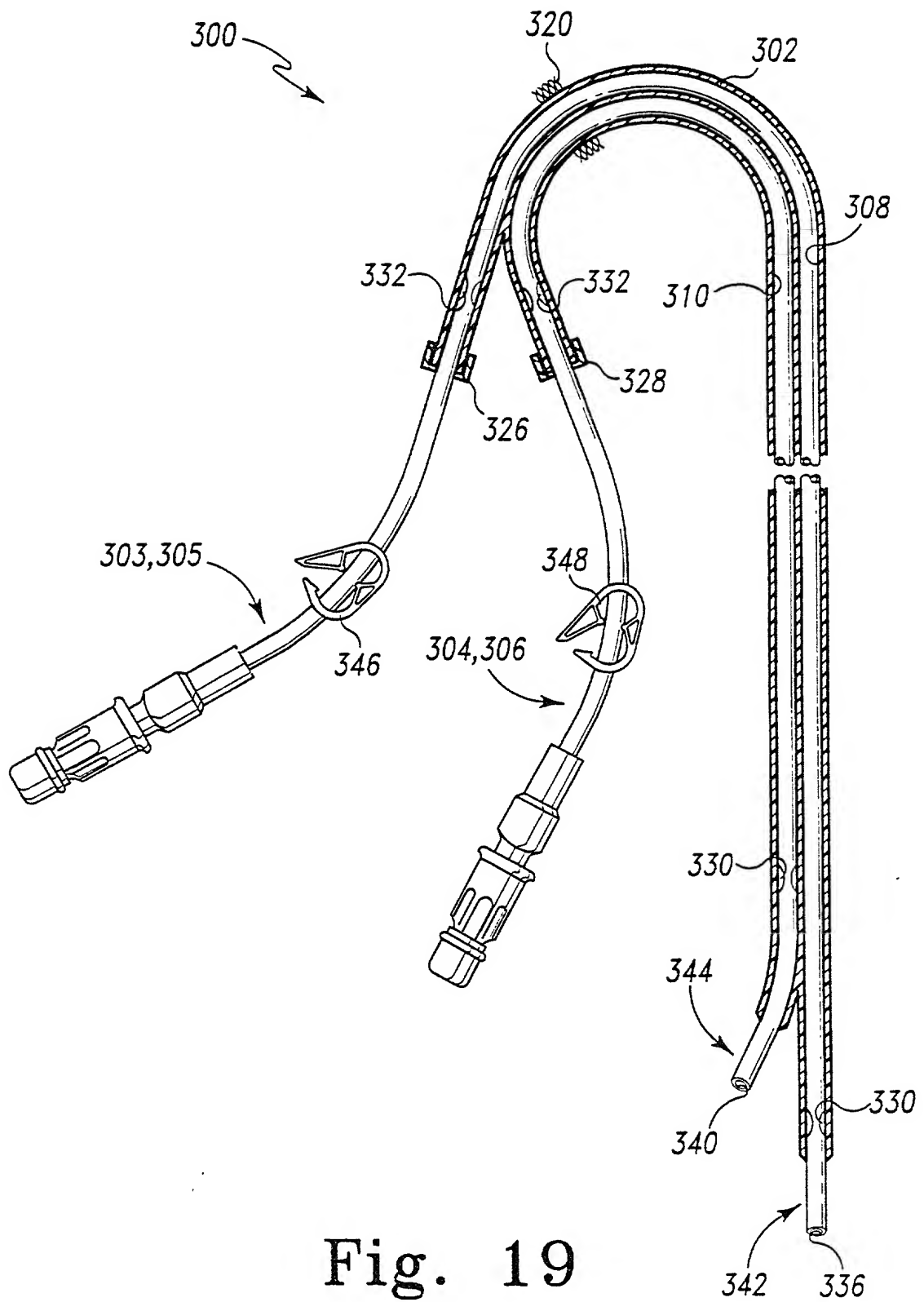
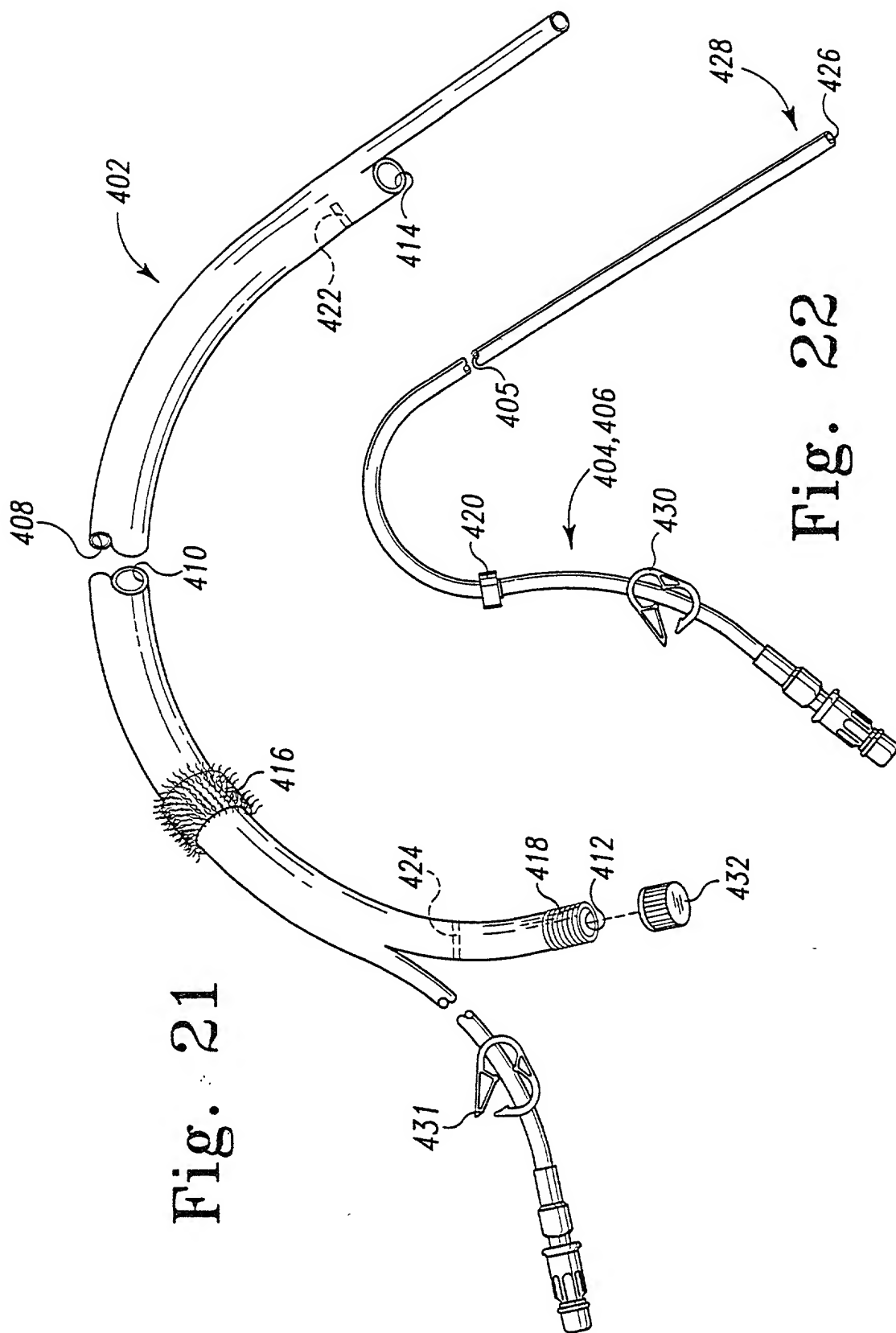


Fig. 19

Fig. 20



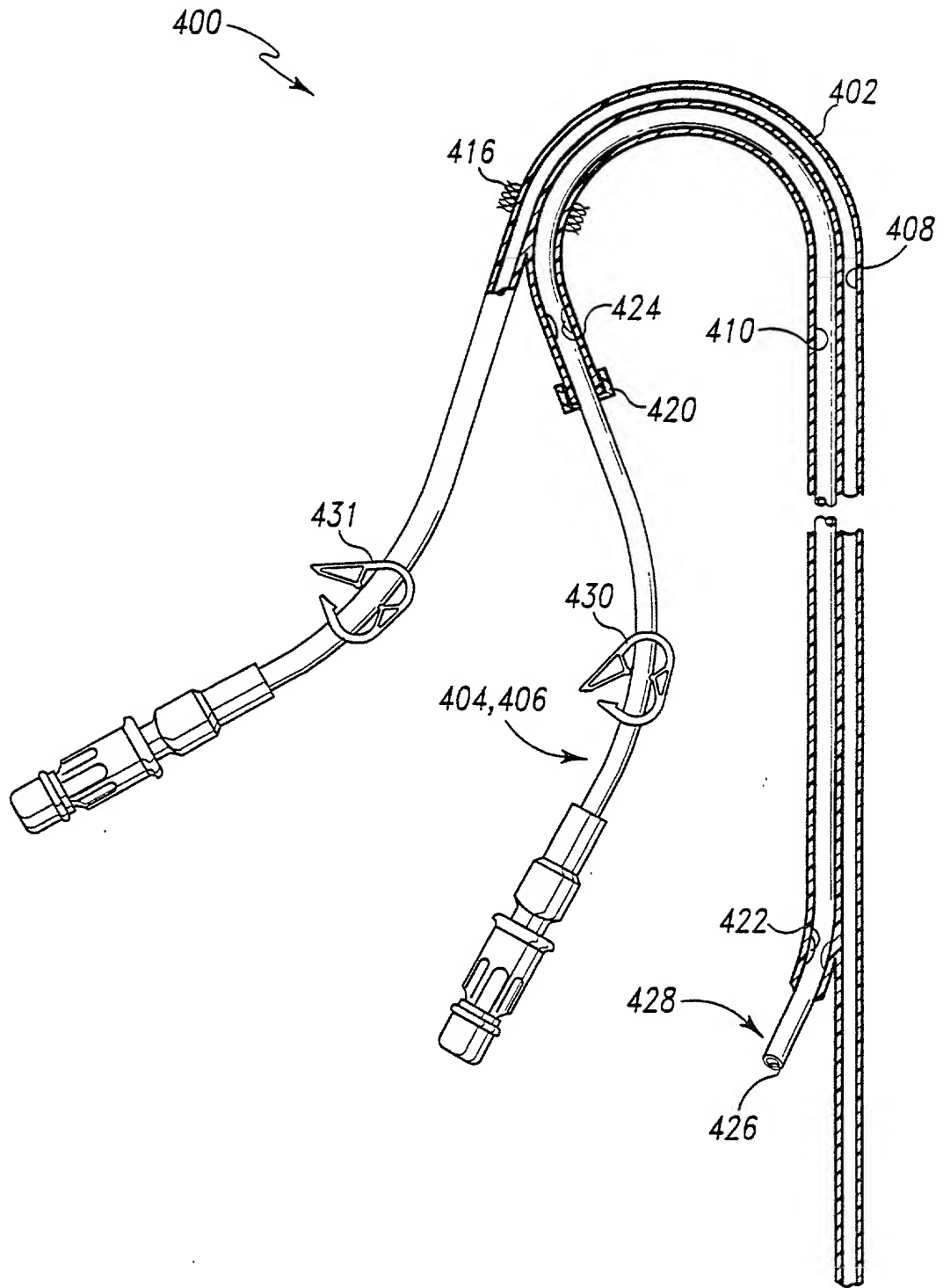


Fig. 23



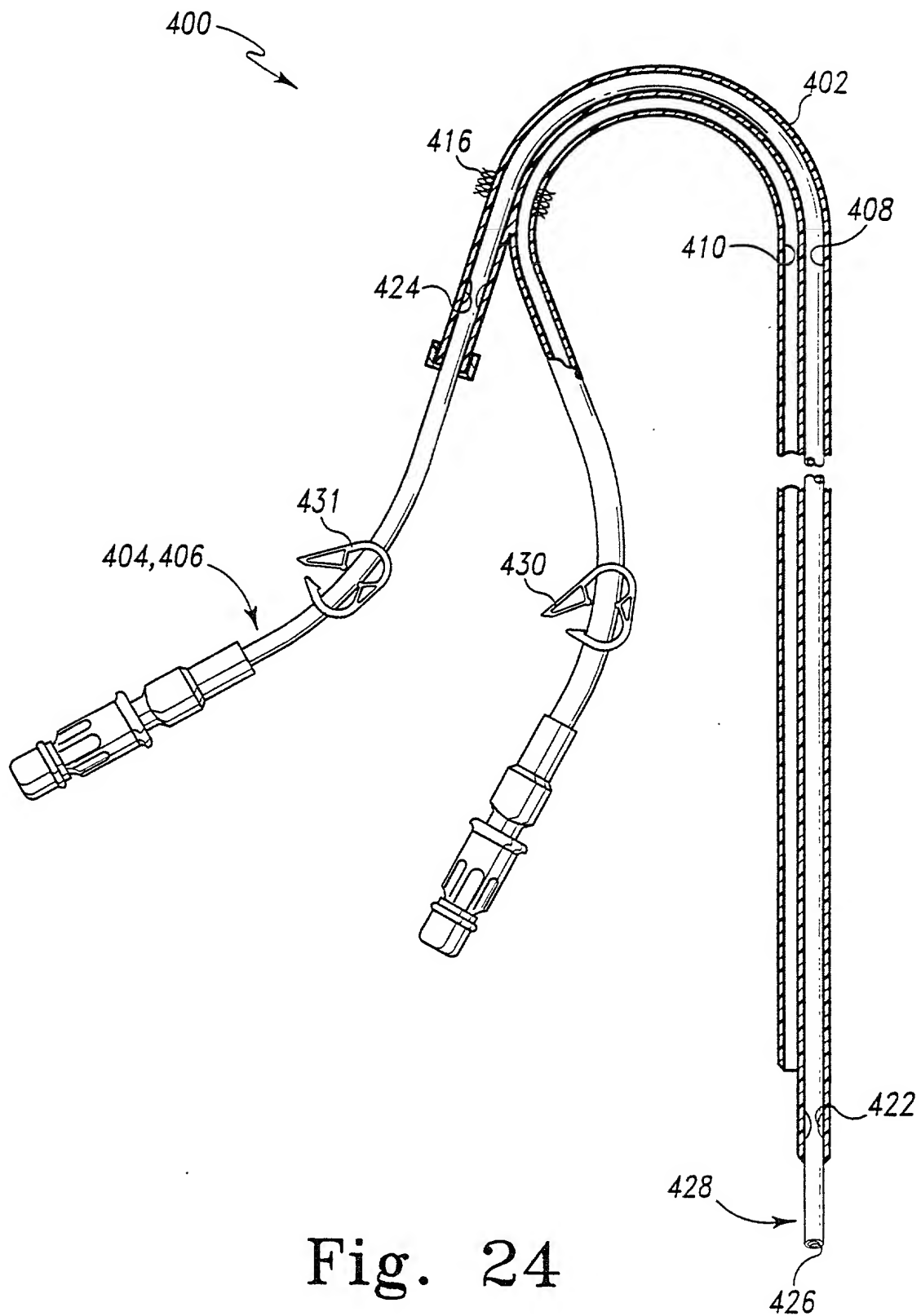


Fig. 24

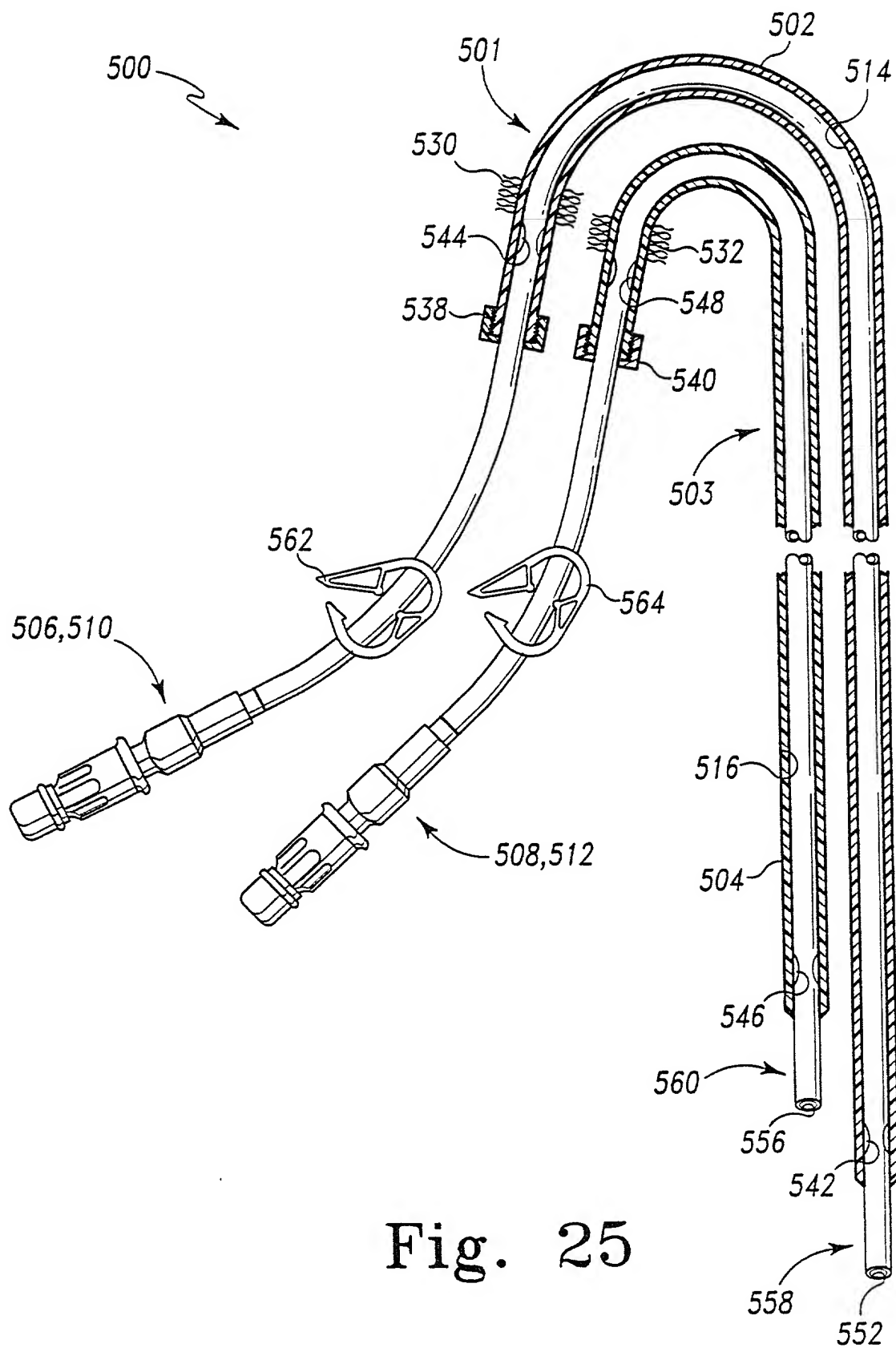


Fig. 25

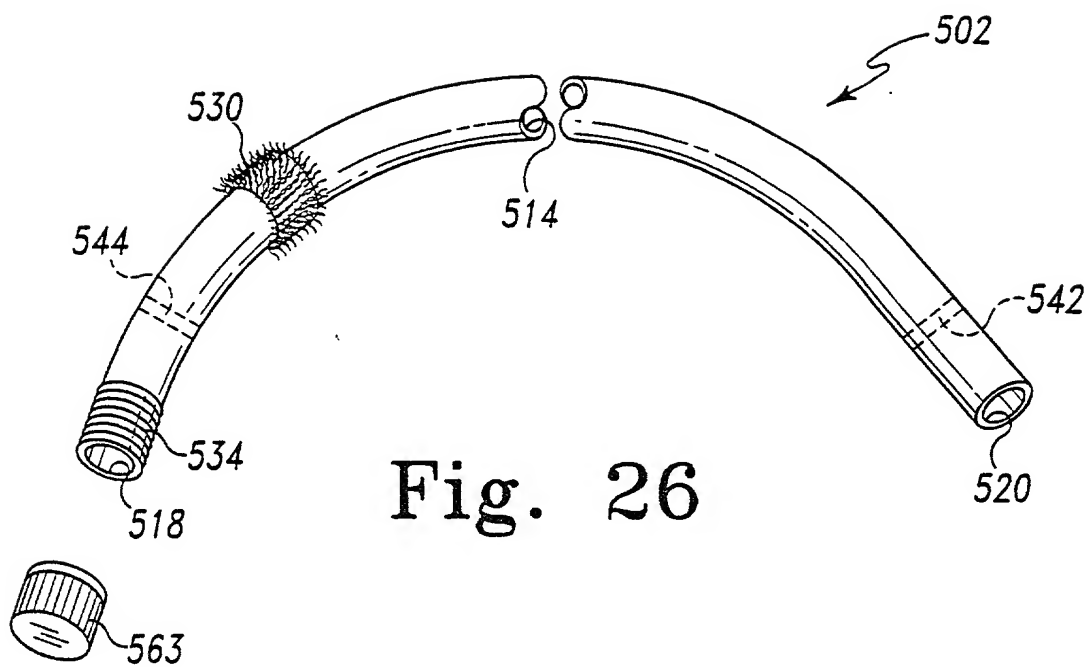


Fig. 26

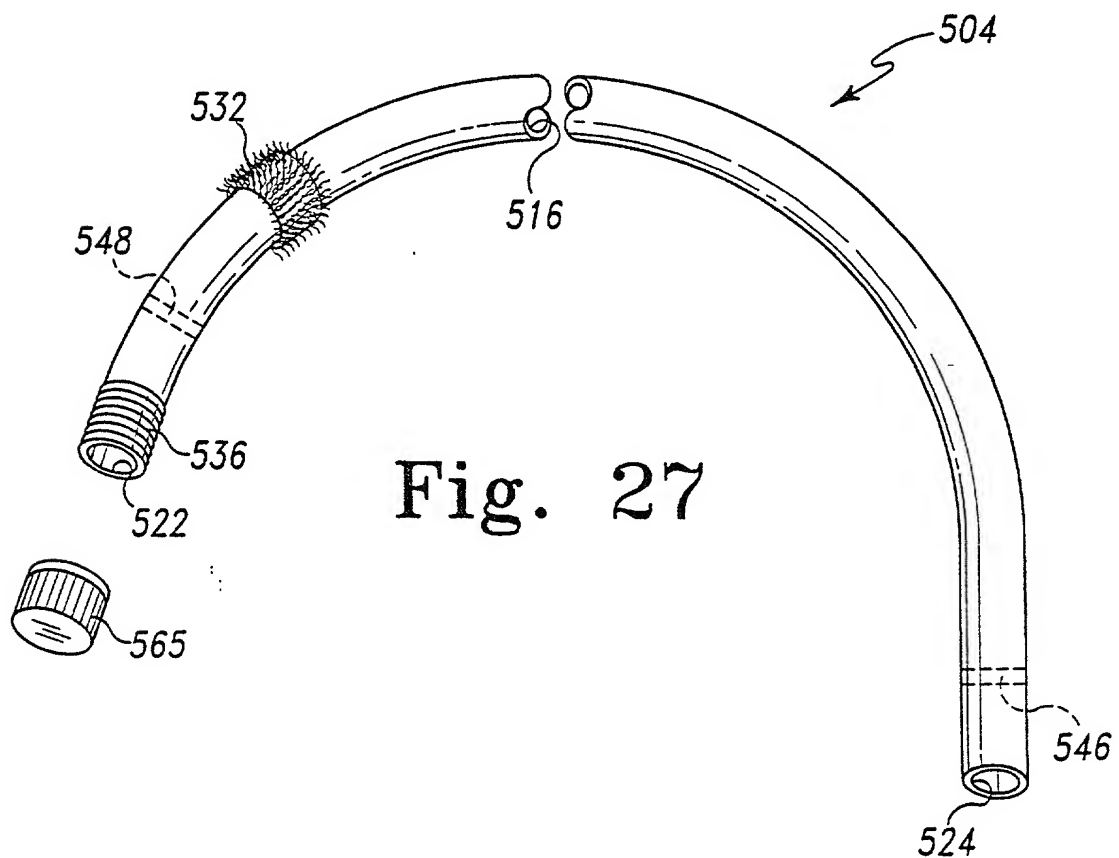


Fig. 27

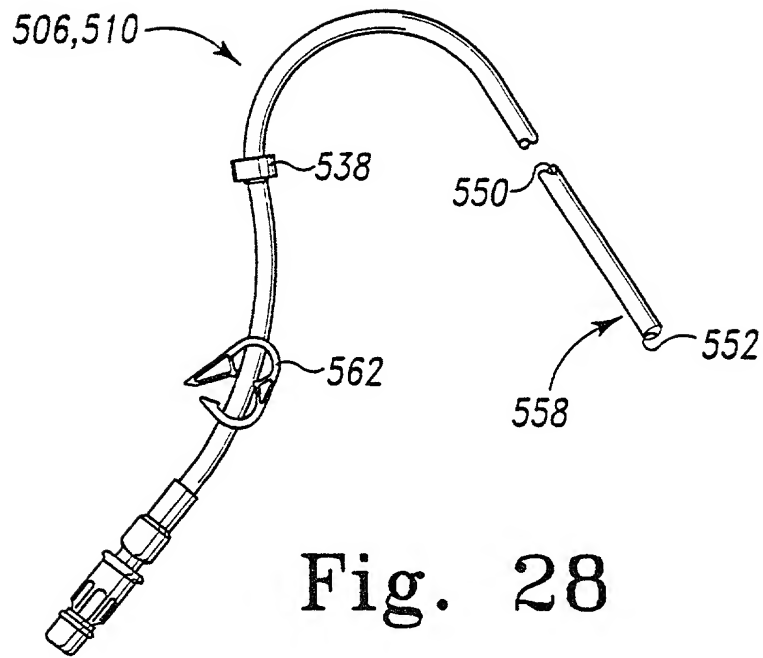


Fig. 28

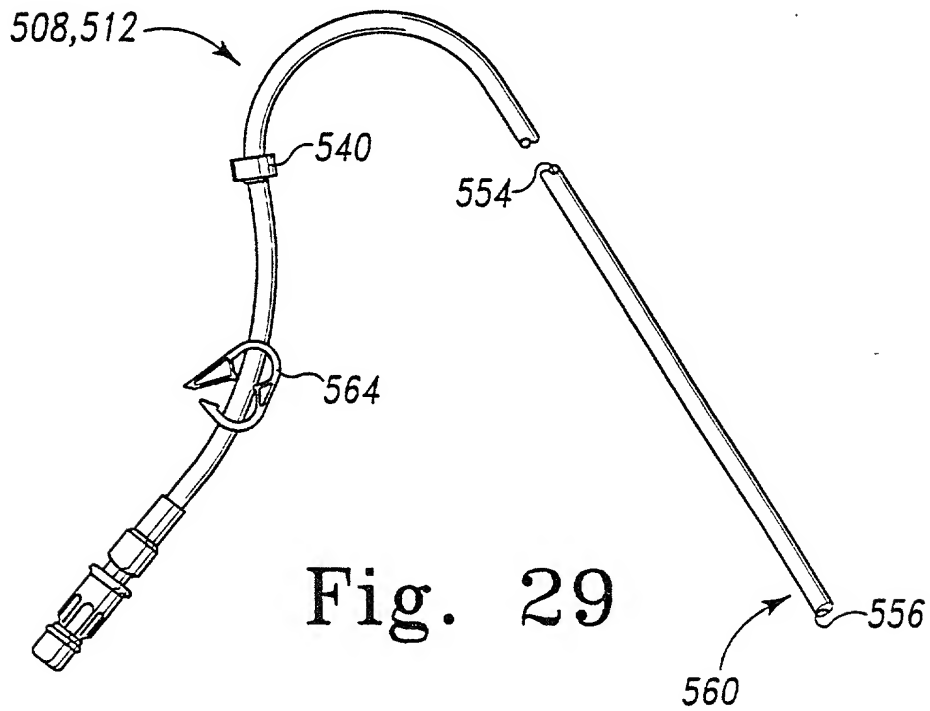


Fig. 29

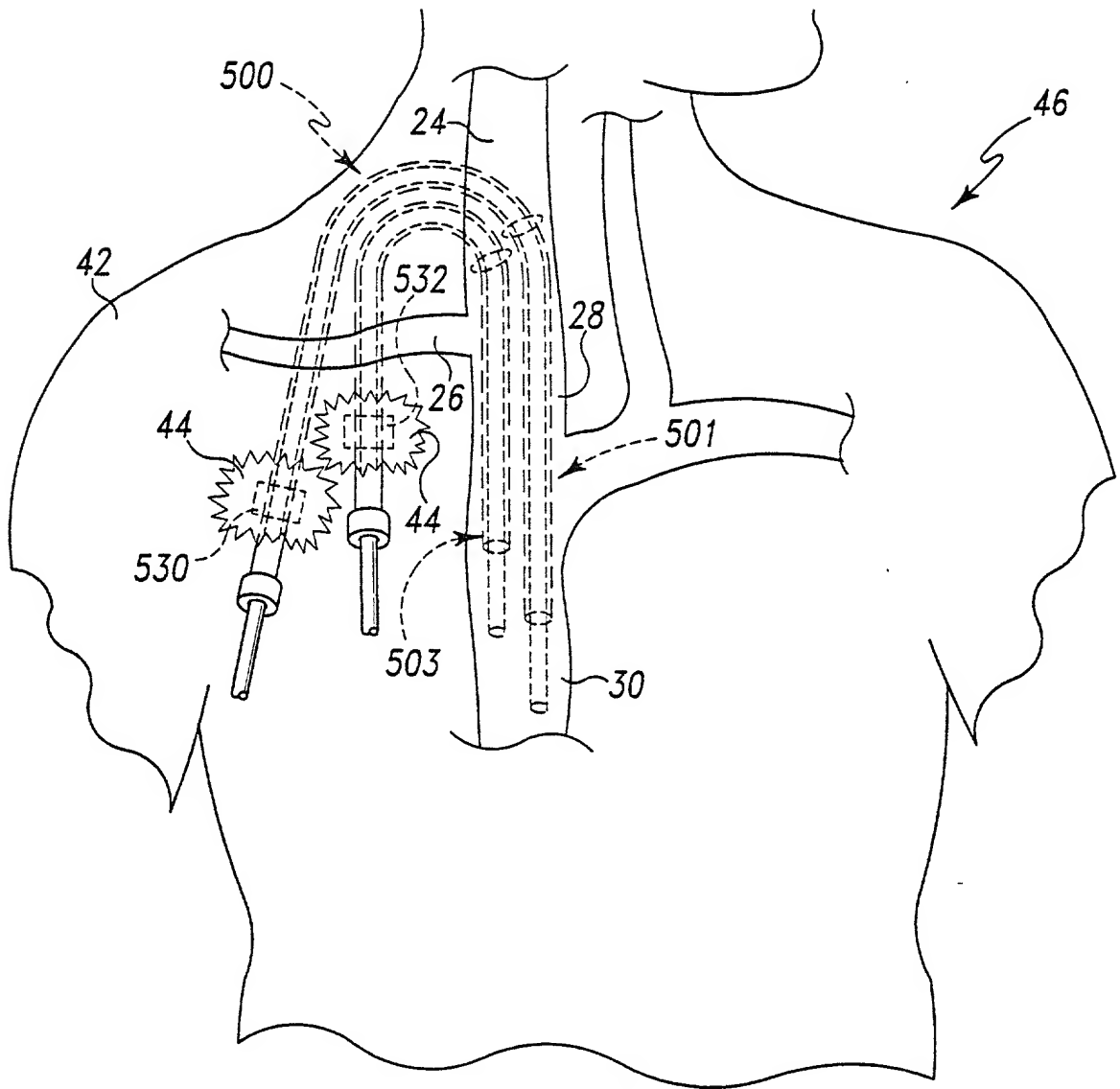


Fig. 30

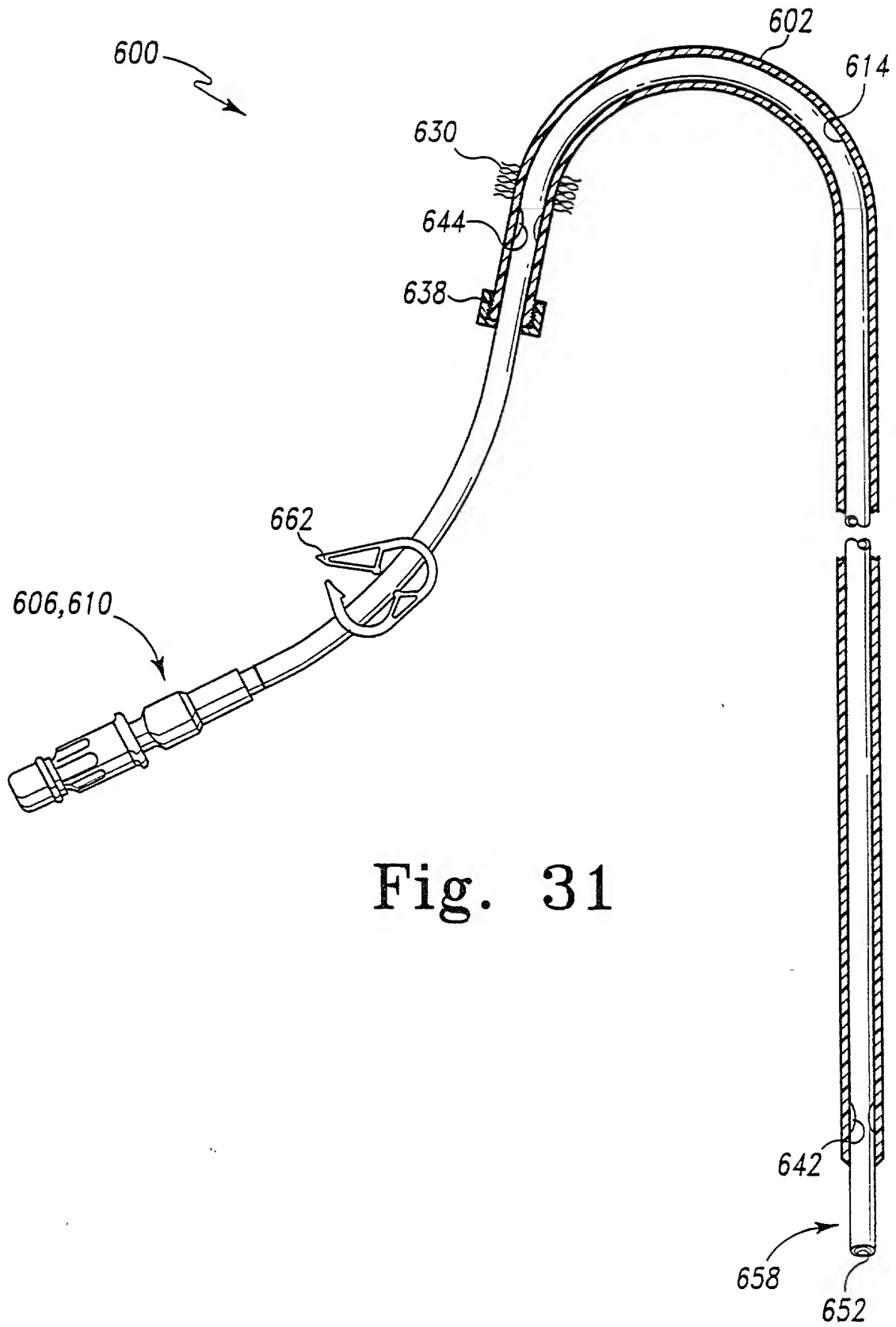


Fig. 31

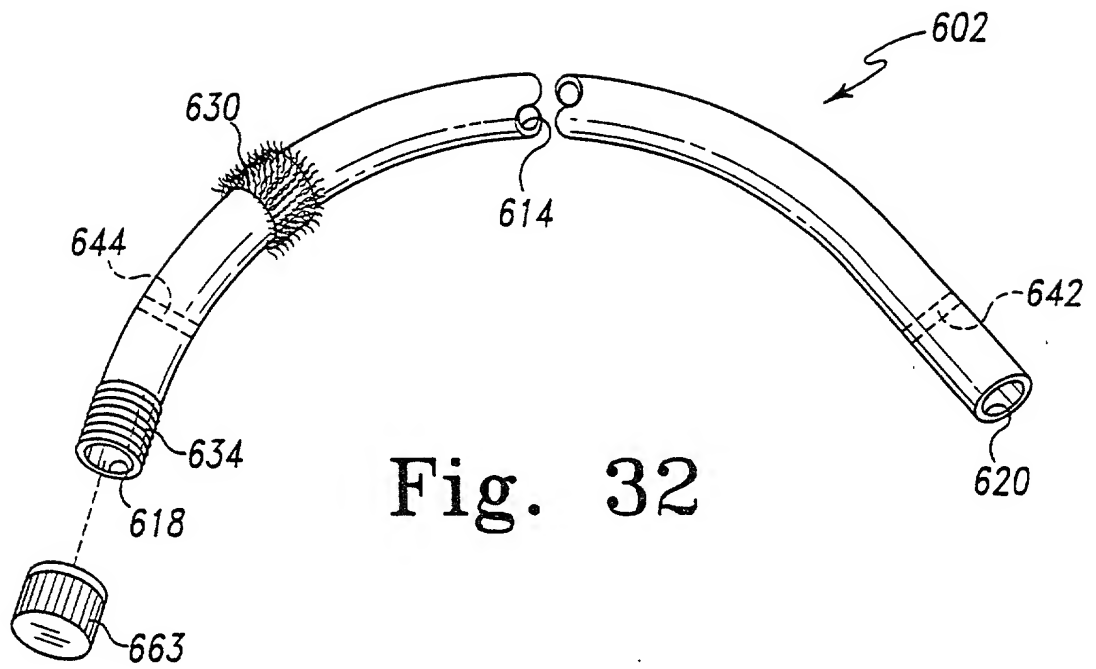


Fig. 32

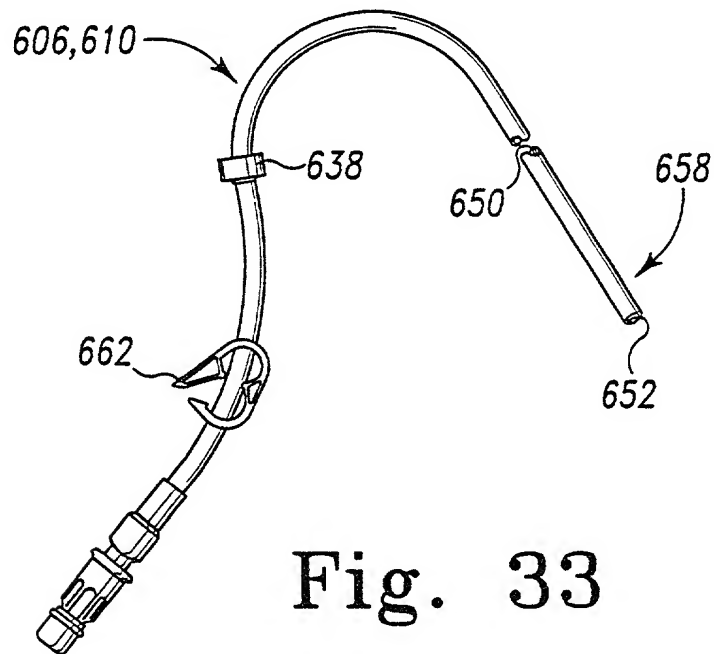


Fig. 33

FIG. 1 is a schematic diagram of a human torso showing the placement of a catheter system 46. The system includes a catheter 24 with a distal tip 30 and a side opening 28. A catheter 26 is also shown. A catheter 600 is inserted into the body, with a catheter 602 and a catheter 630. A catheter 44 is shown with a catheter 606, 610. A catheter 42 is shown with a catheter 46.



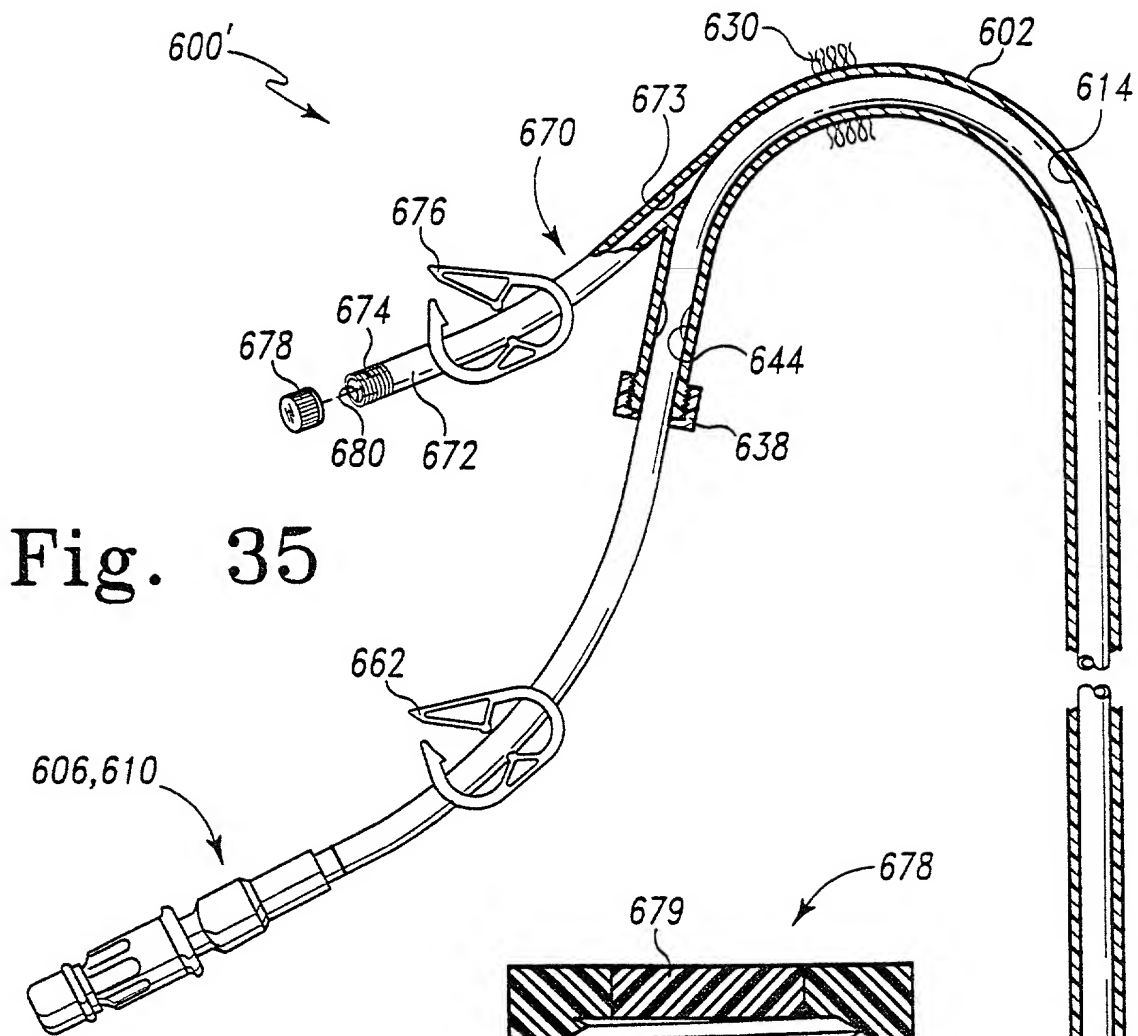


Fig. 35

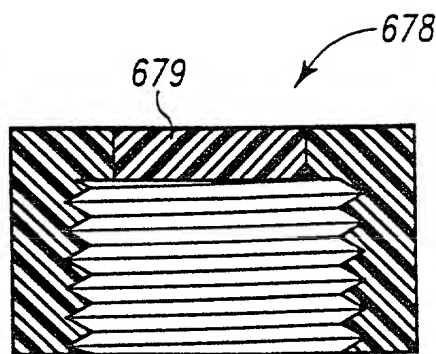


Fig. 37

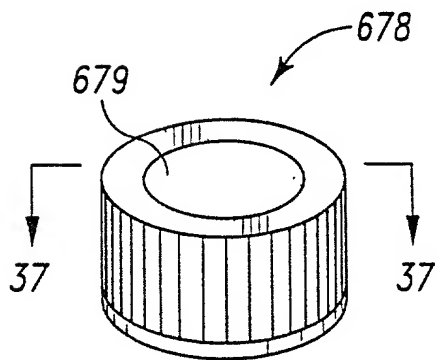
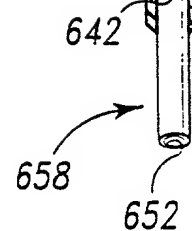


Fig. 36



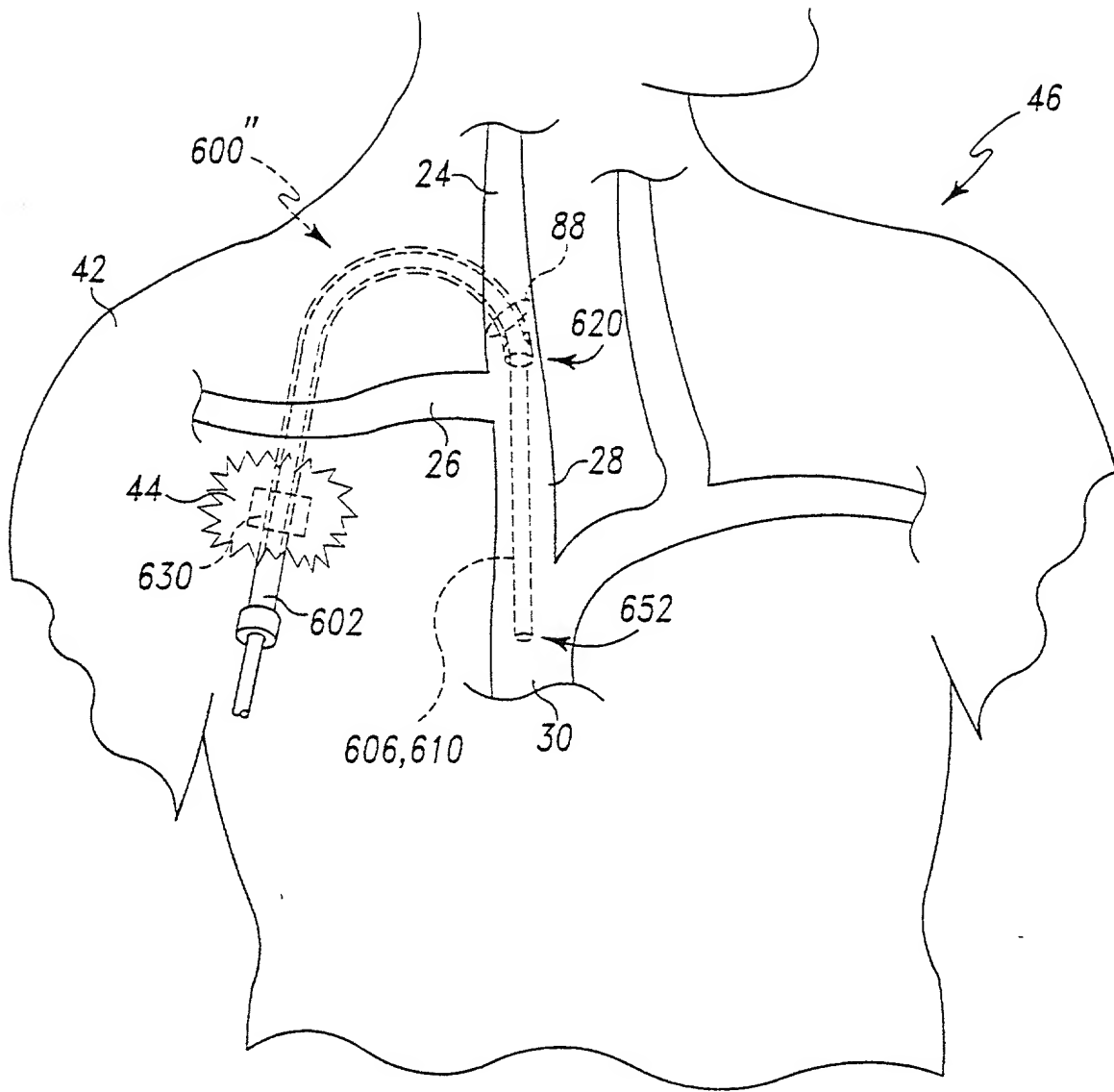


Fig. 38

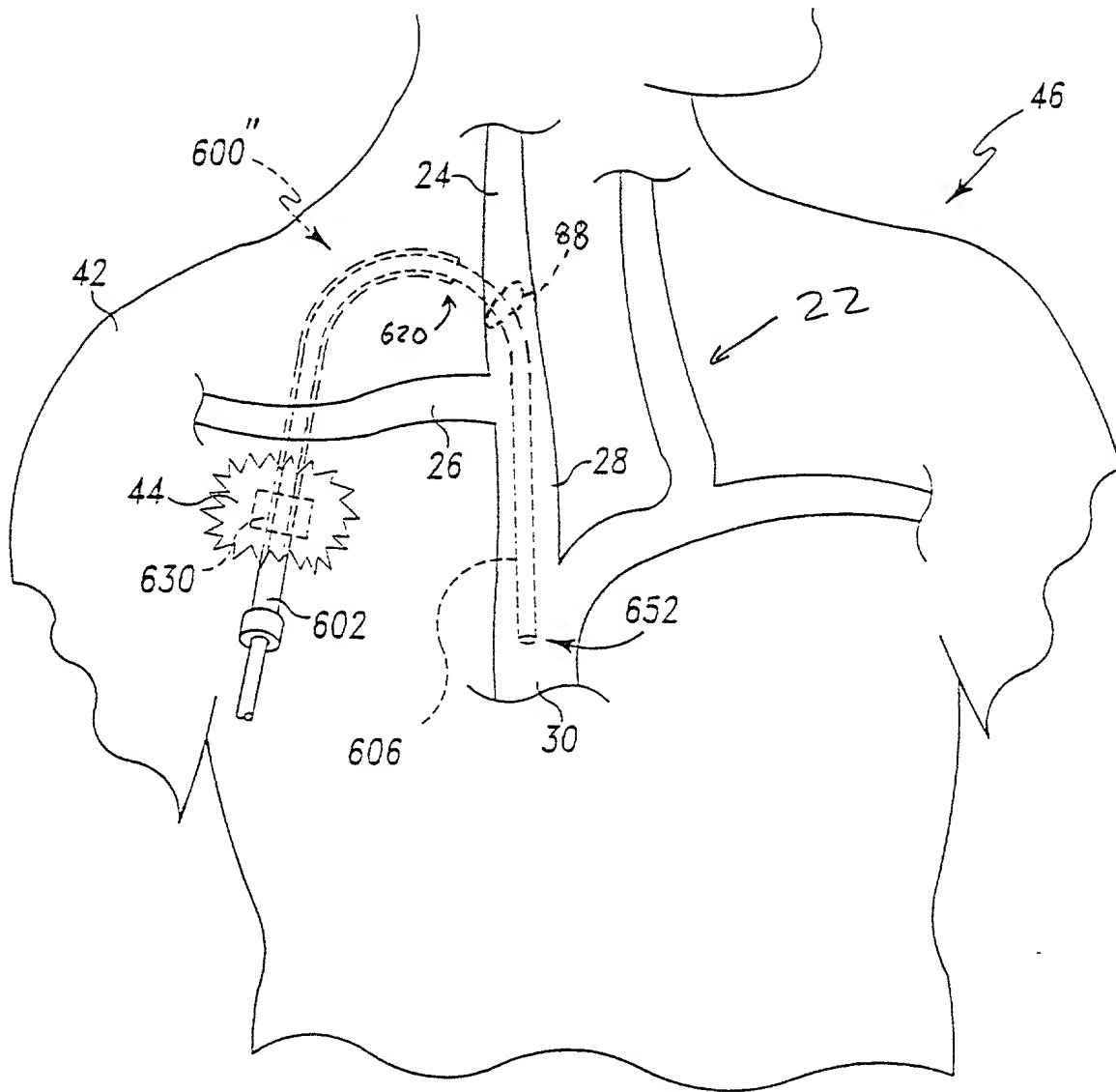


Fig. 38A

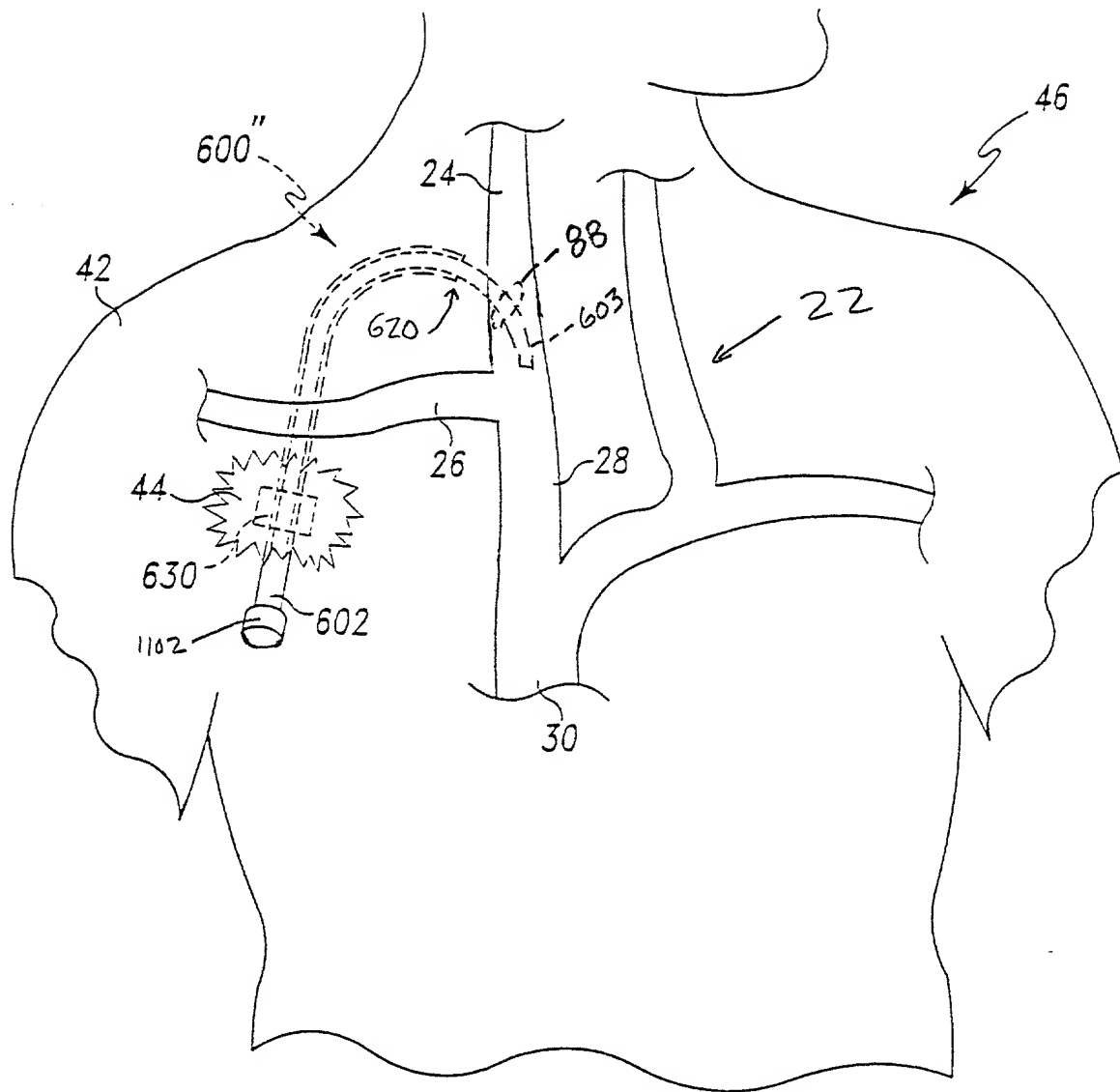
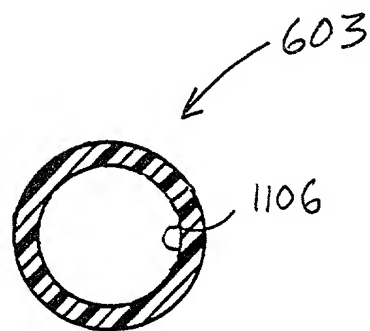
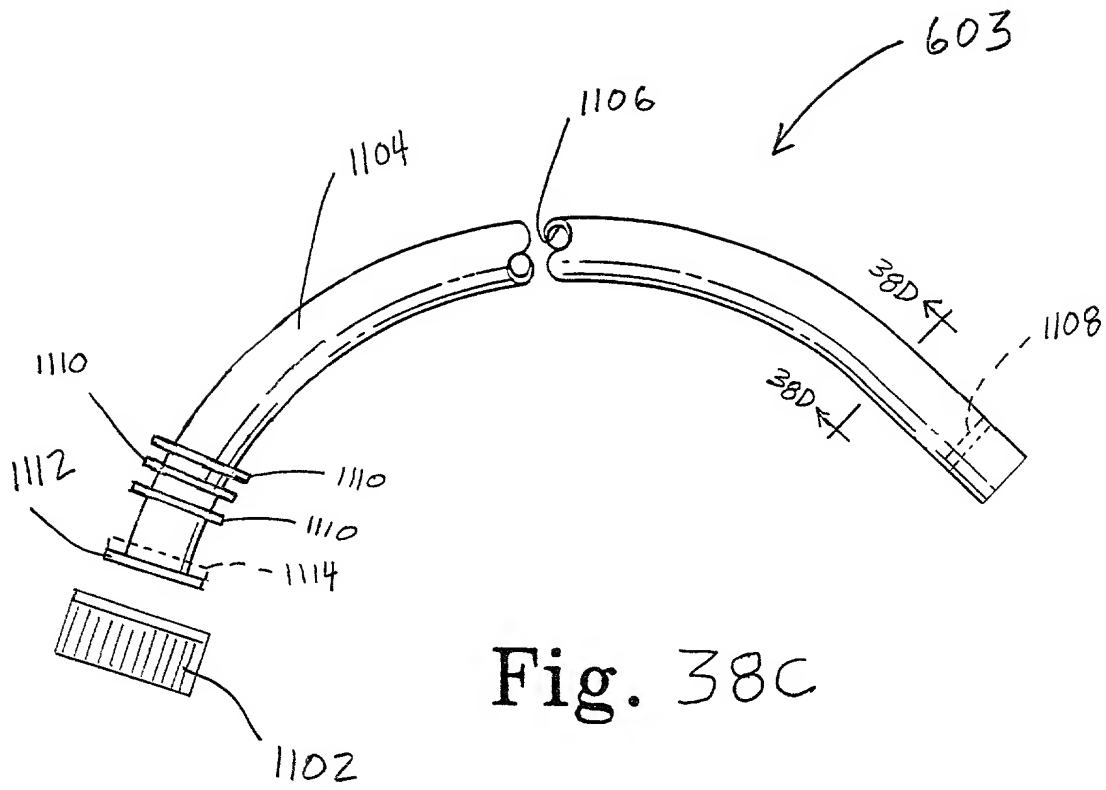


Fig. 38B



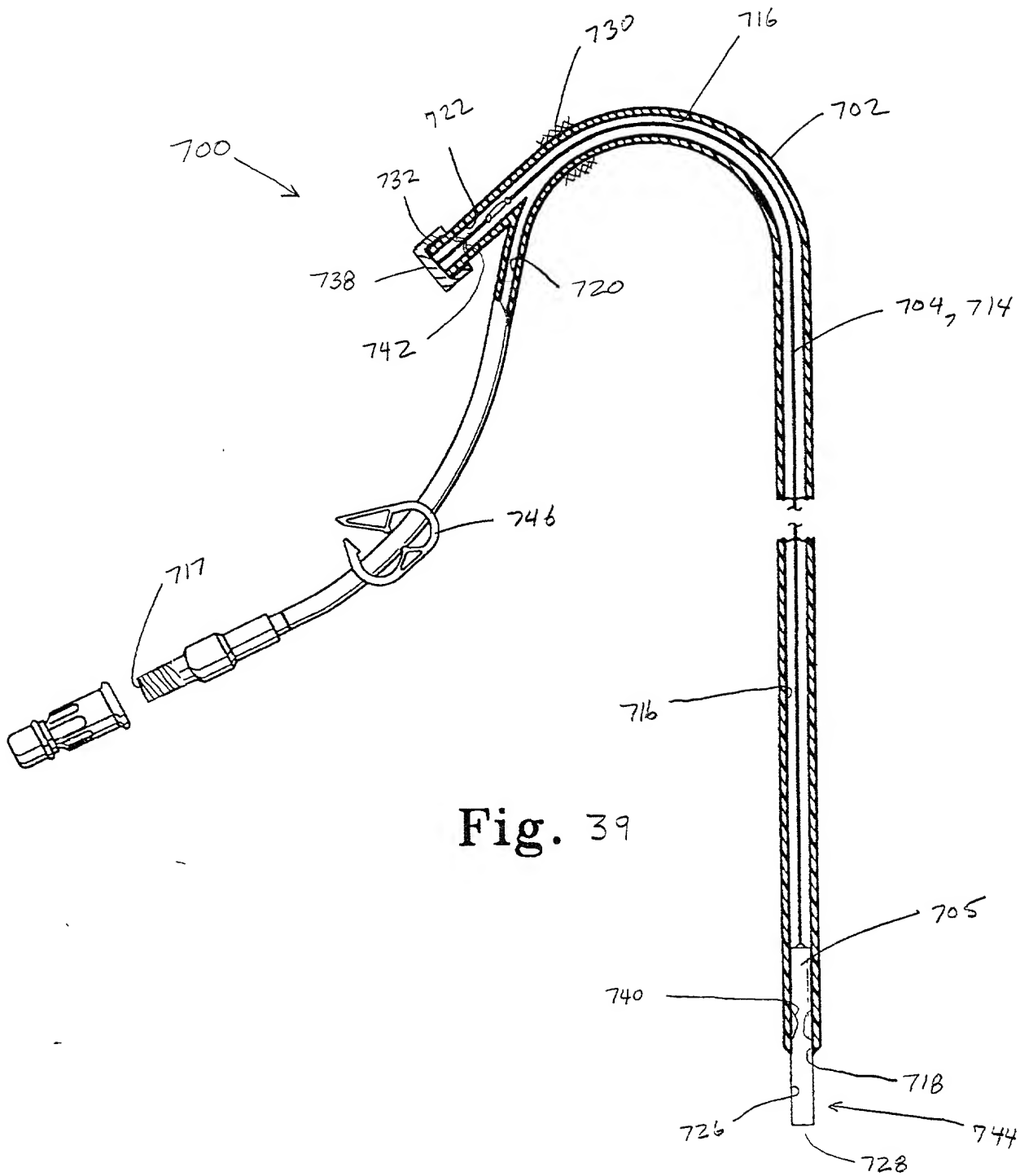


Fig. 39

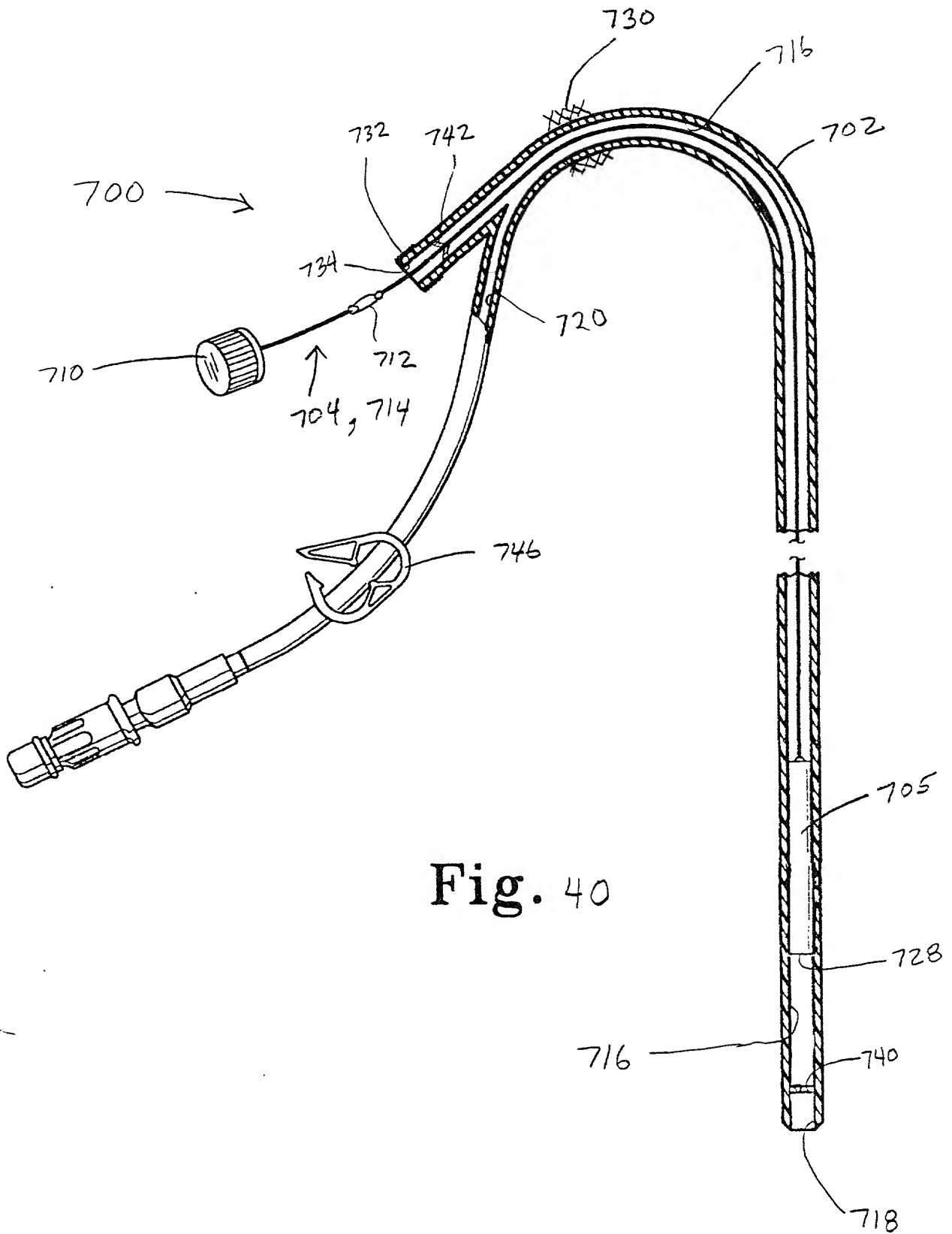


Fig. 41

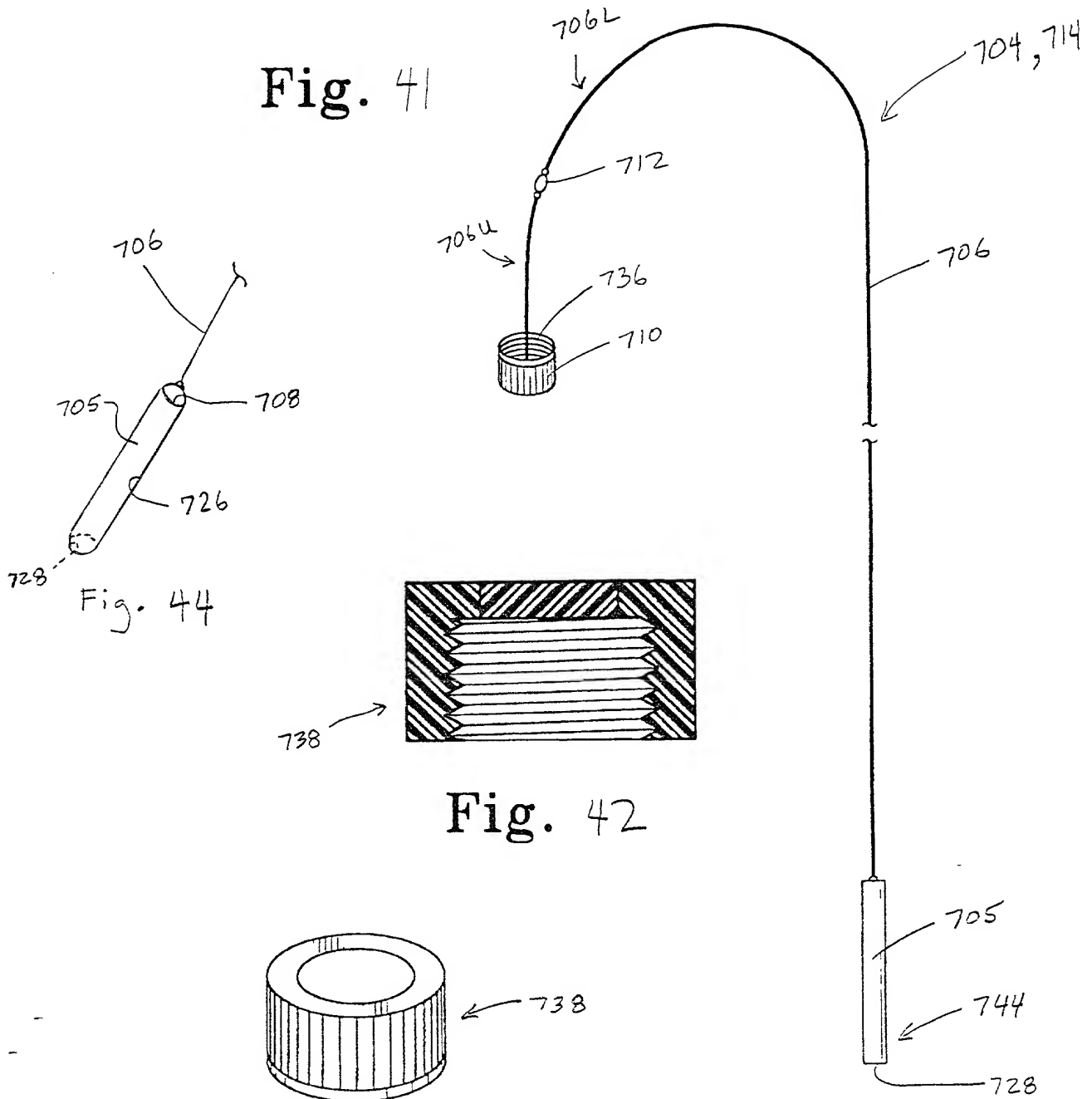


Fig. 42

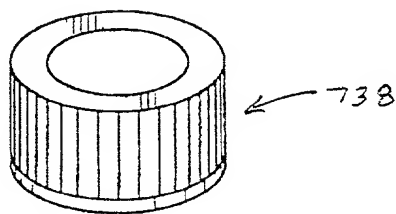


Fig. 43

Fig. 44



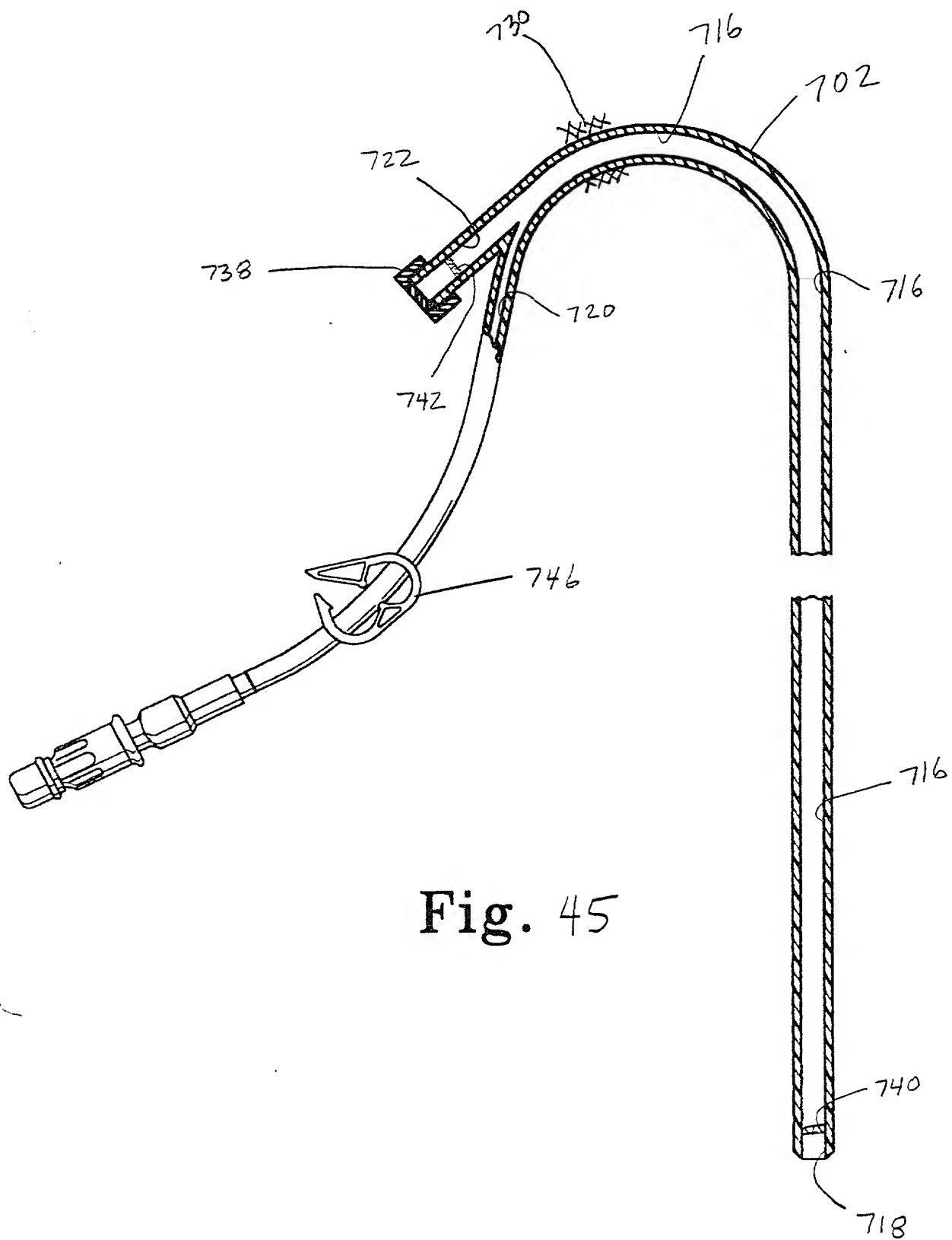


Fig. 45

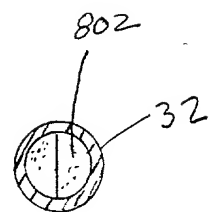
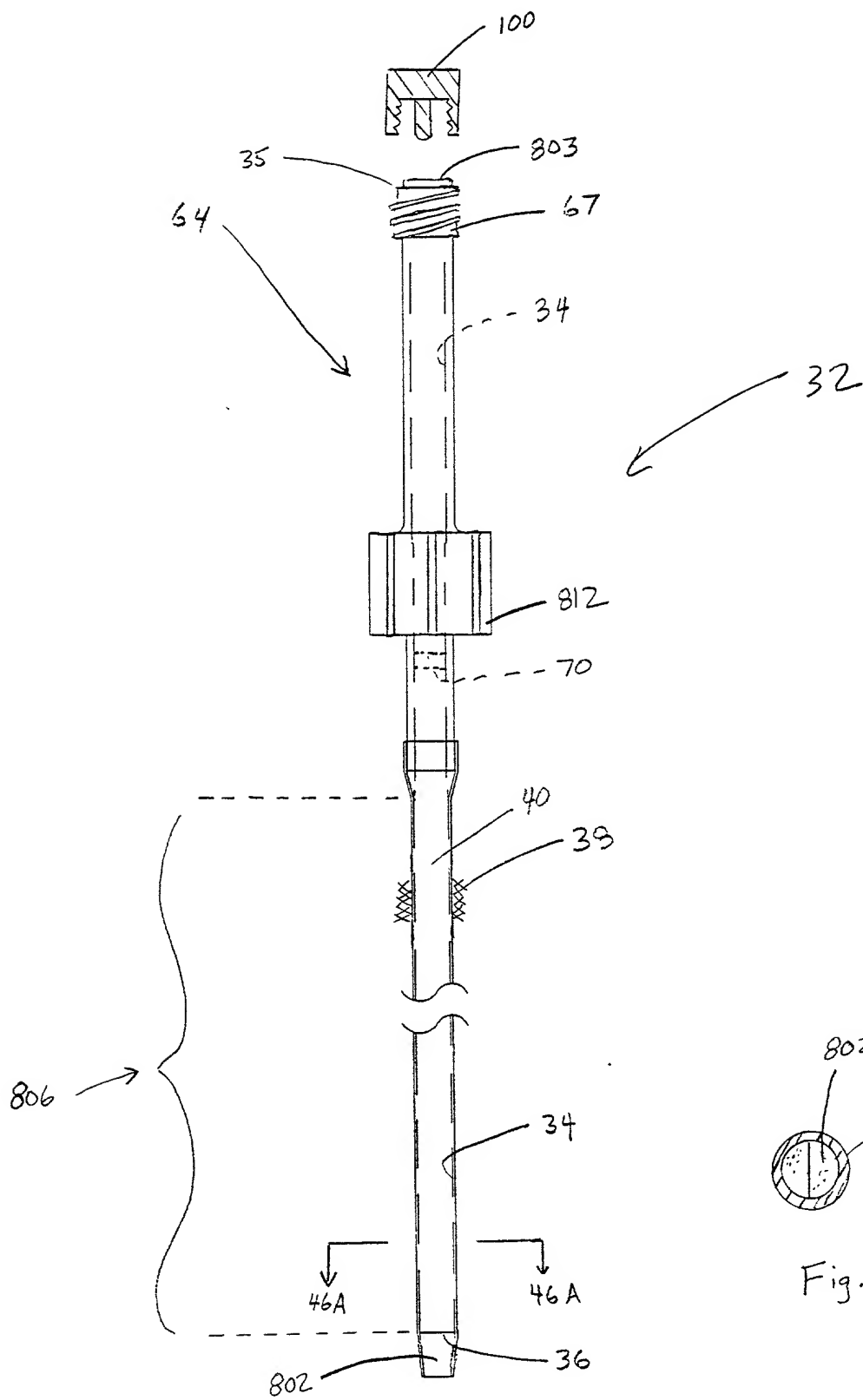


Fig. 46A

Fig. 46

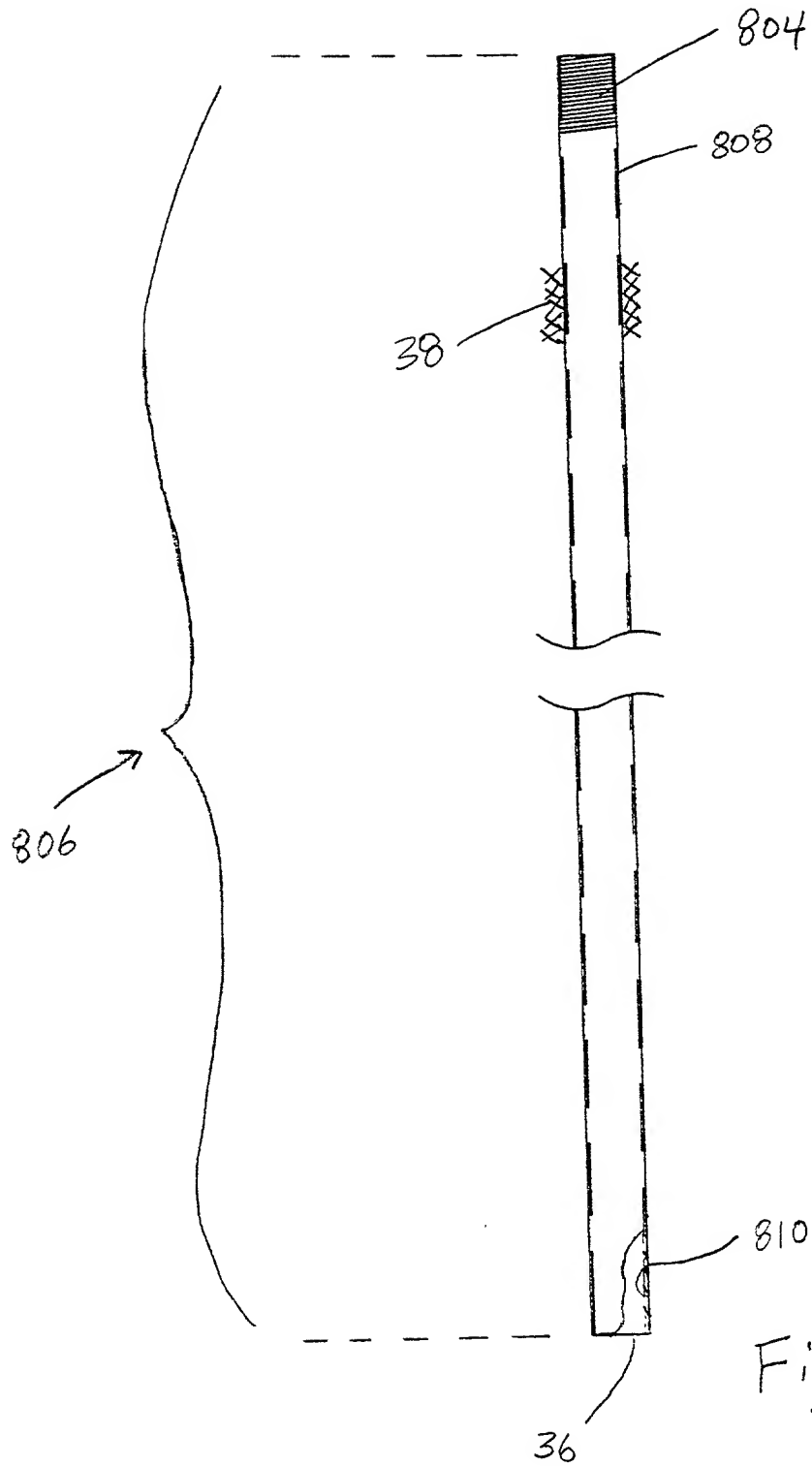
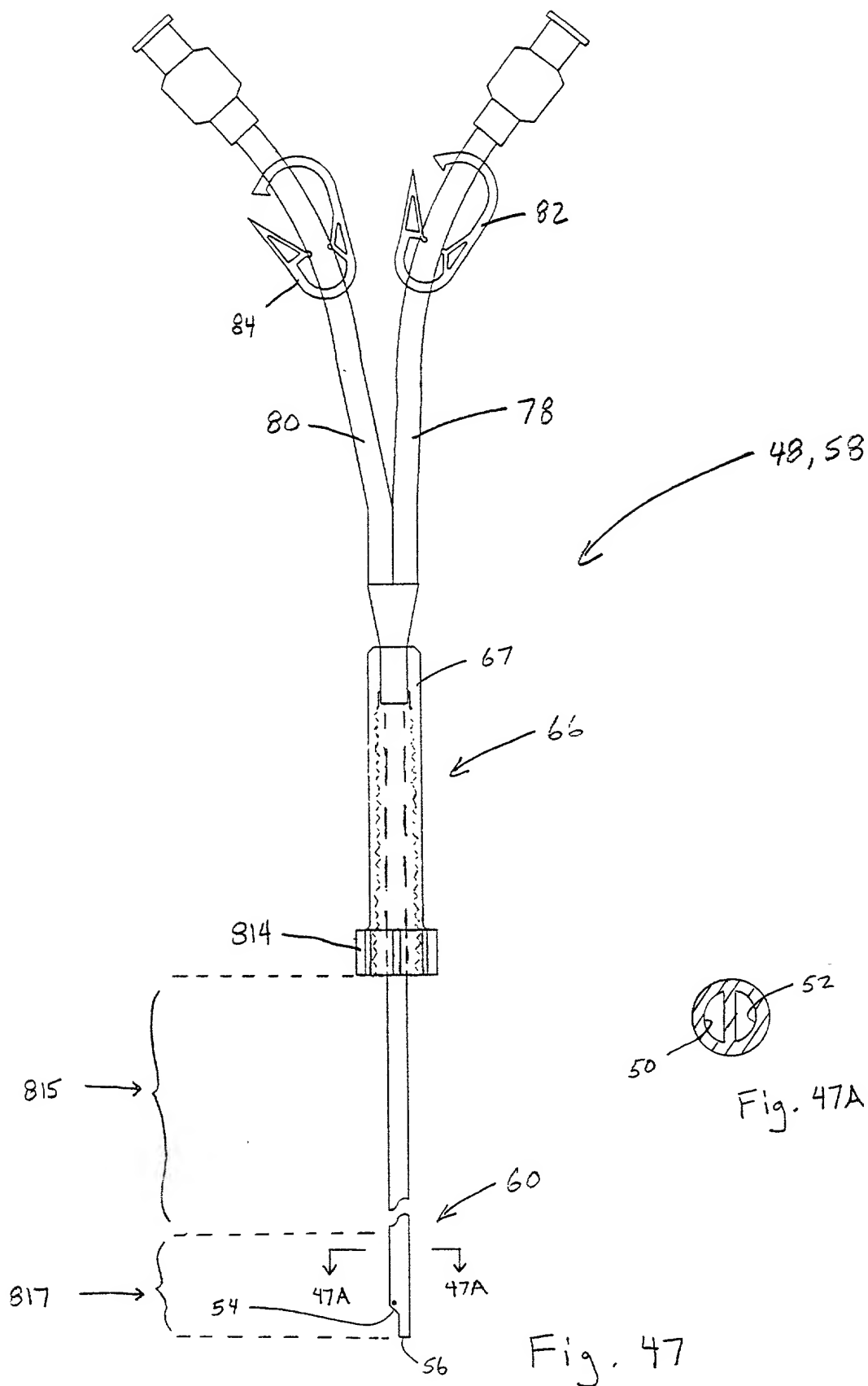


Fig. 46B



800

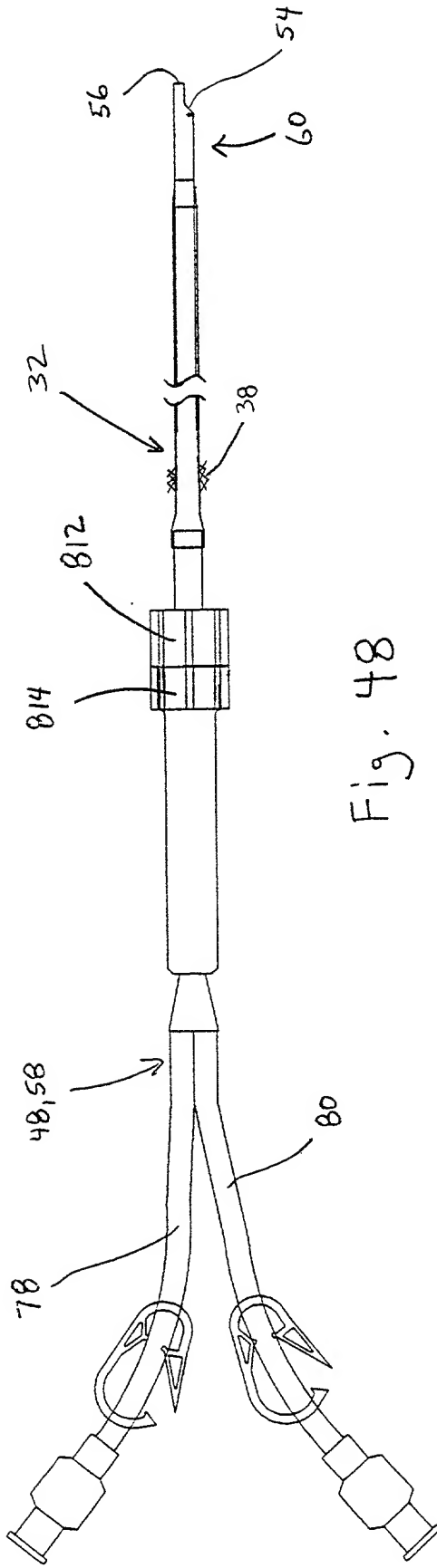


Fig. 48

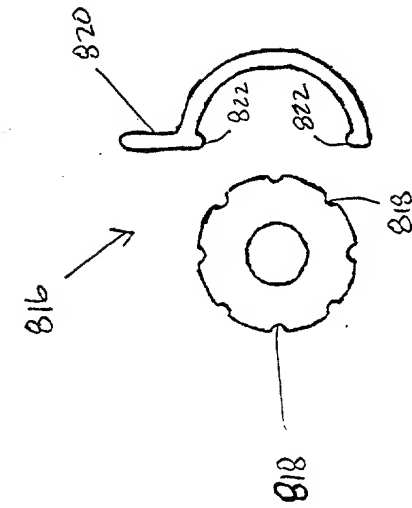


FIG. 49A

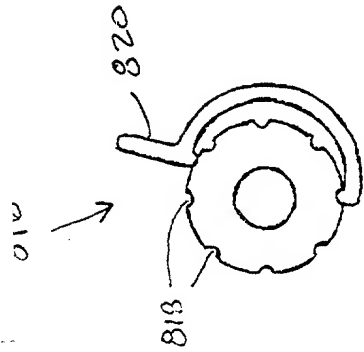


FIG. 49B

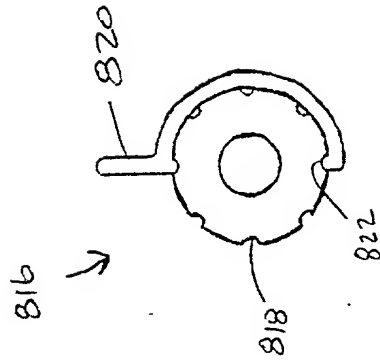


FIG. 49C

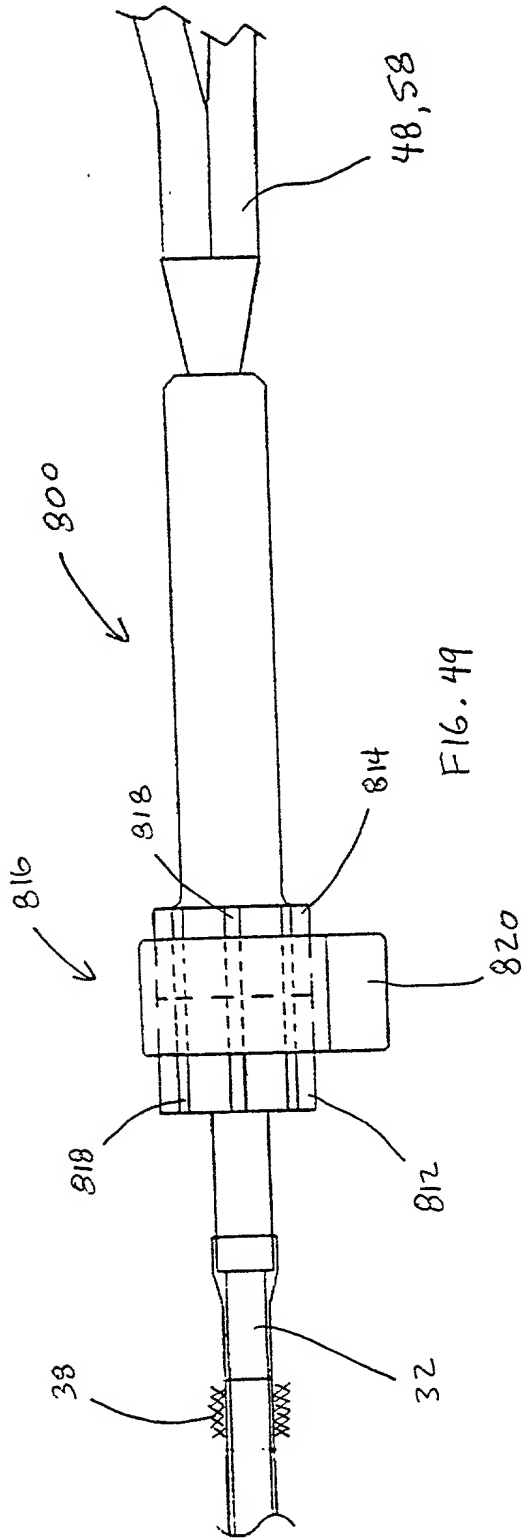
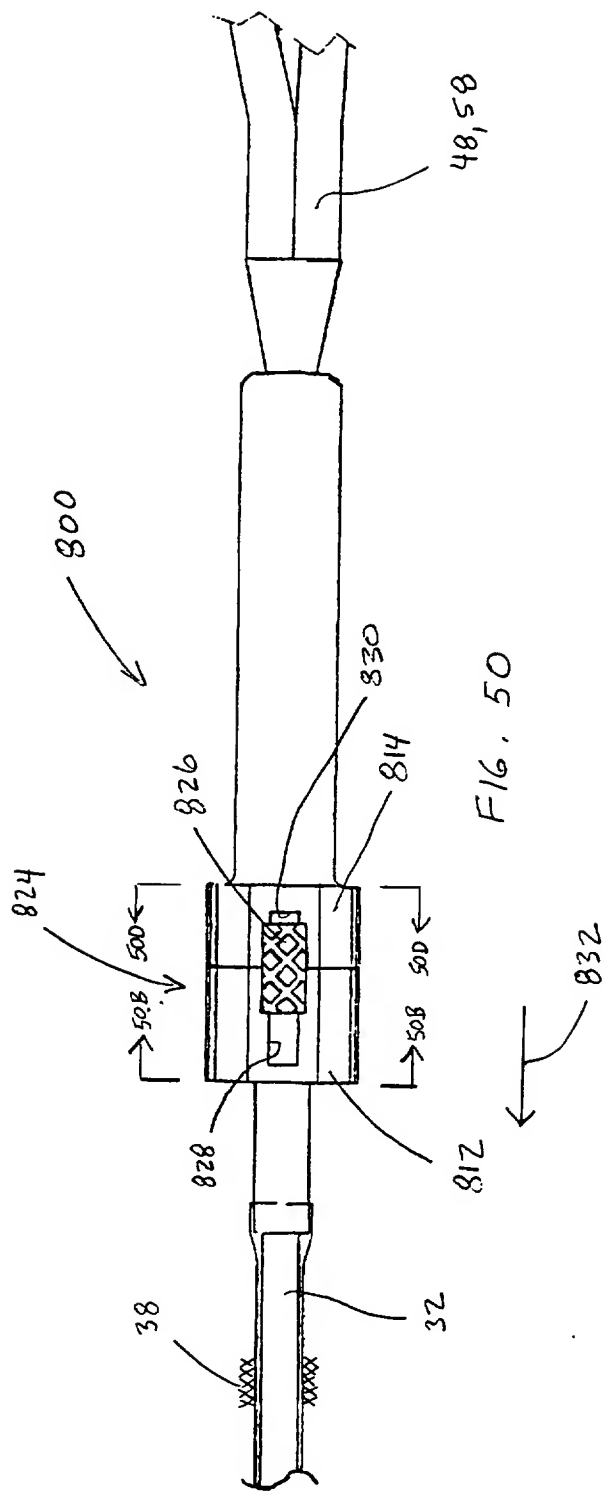
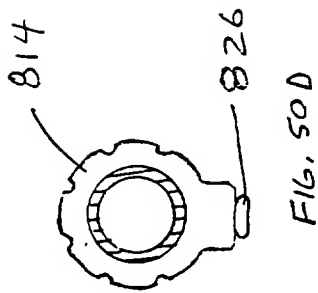
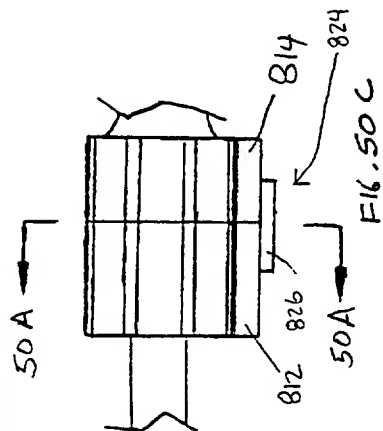
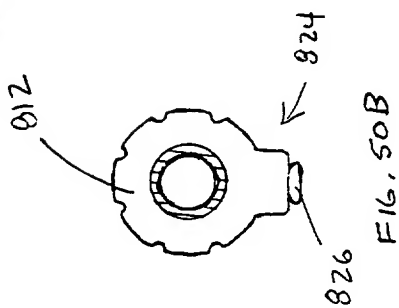
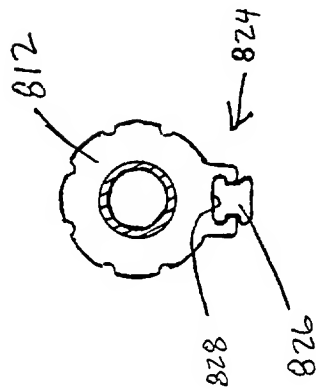
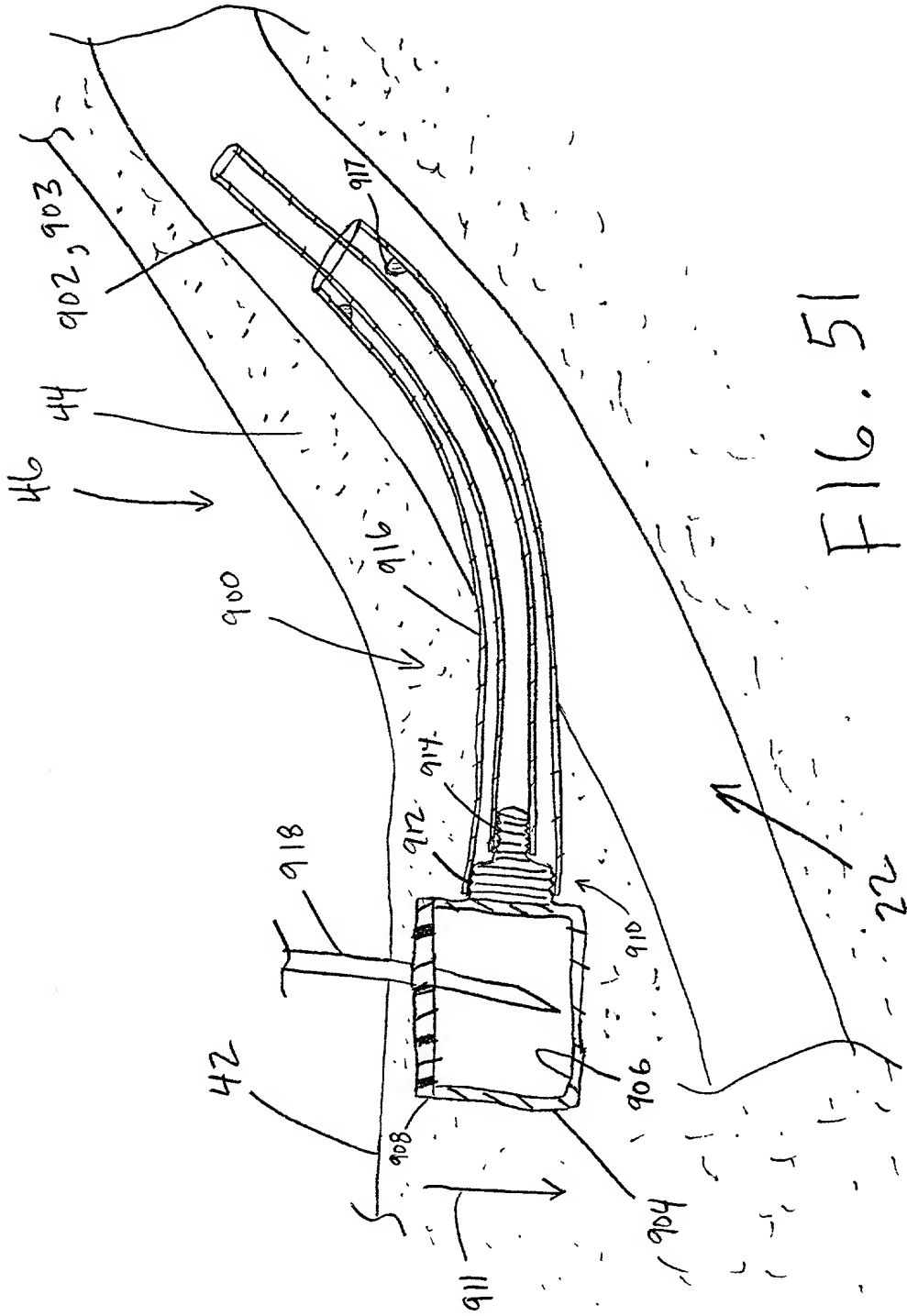


FIG. 49







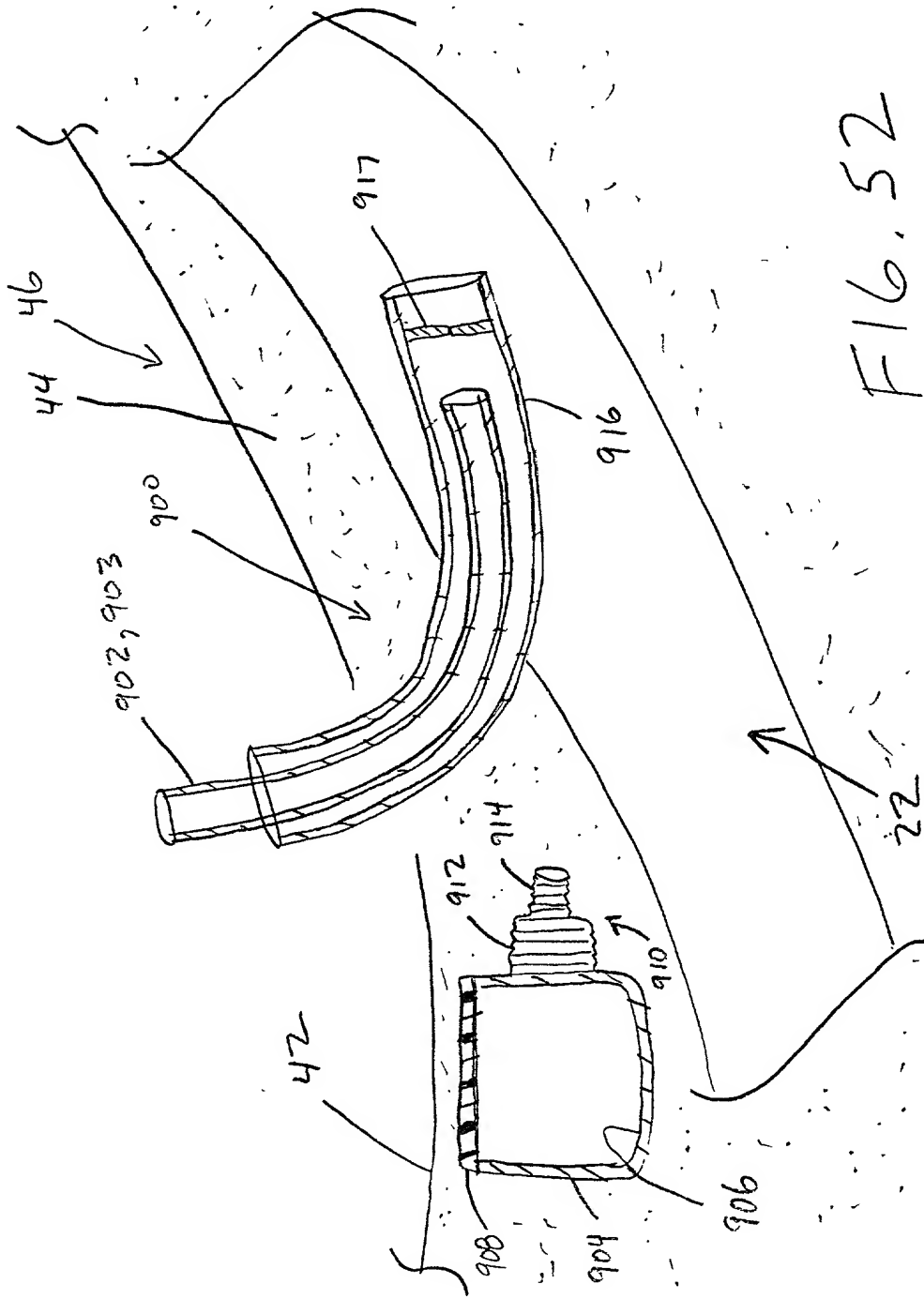


FIG. 16.52

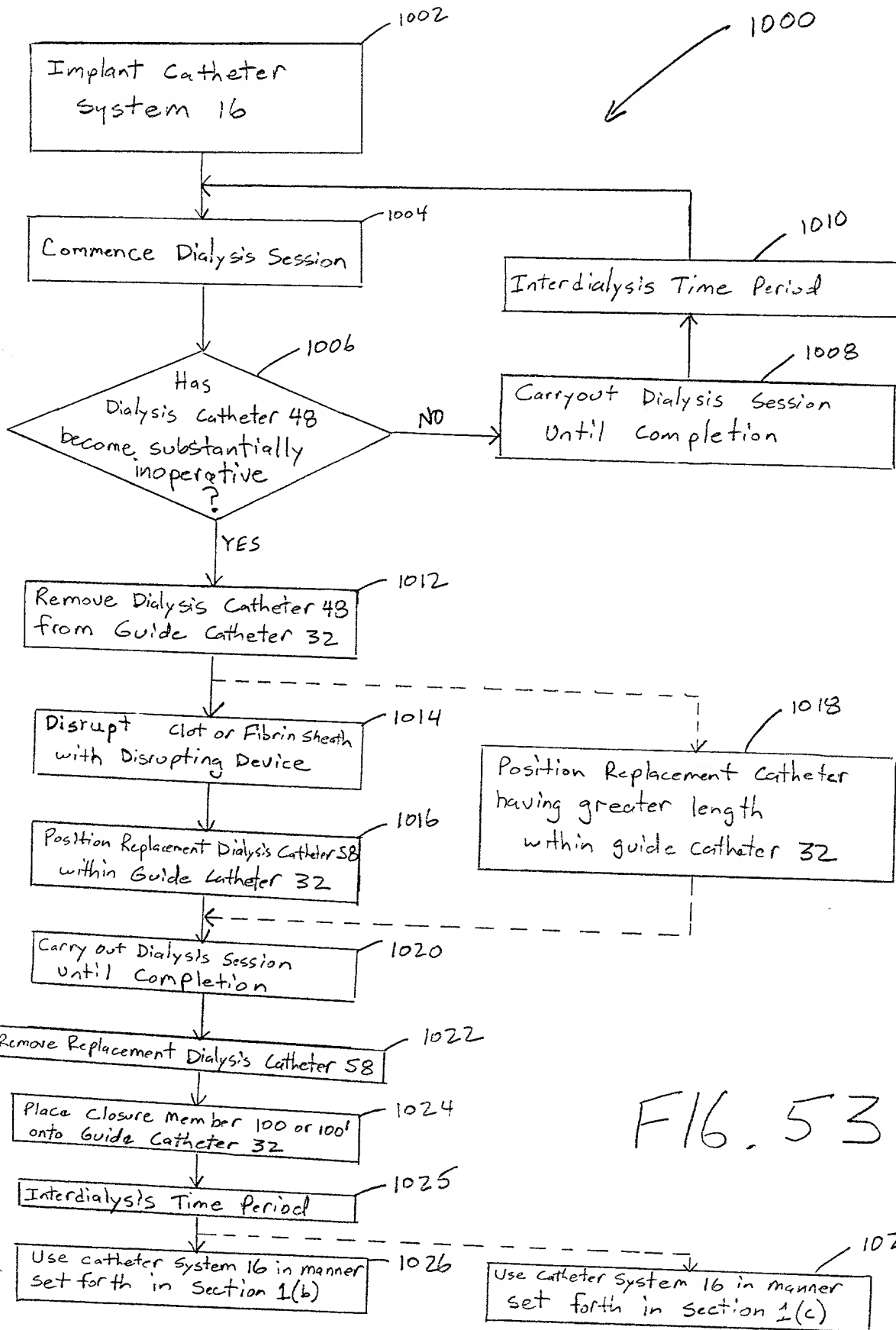


FIG. 53

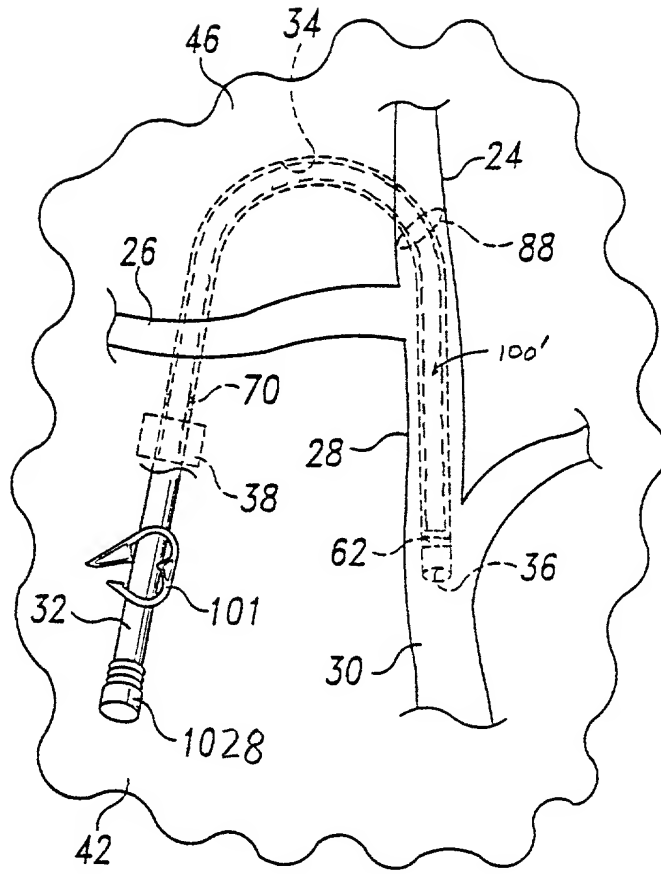
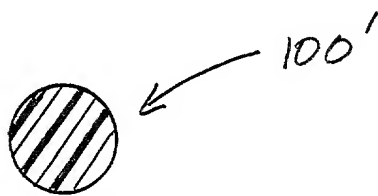
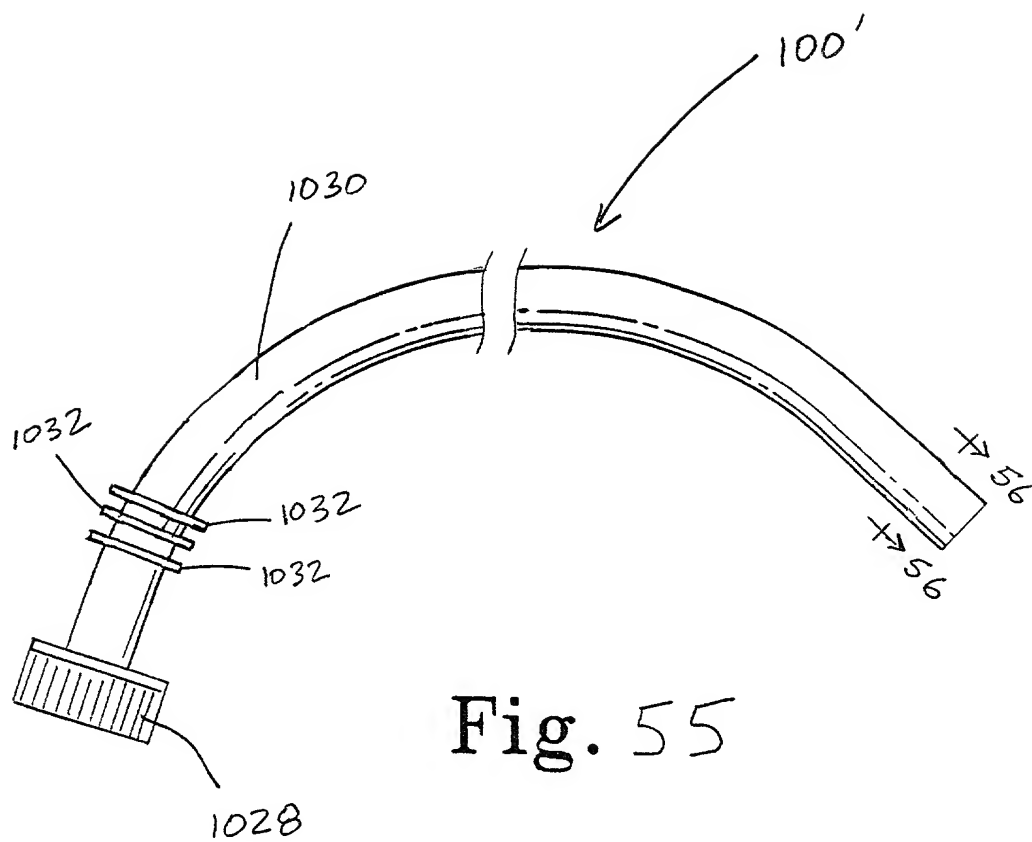


Fig. 54



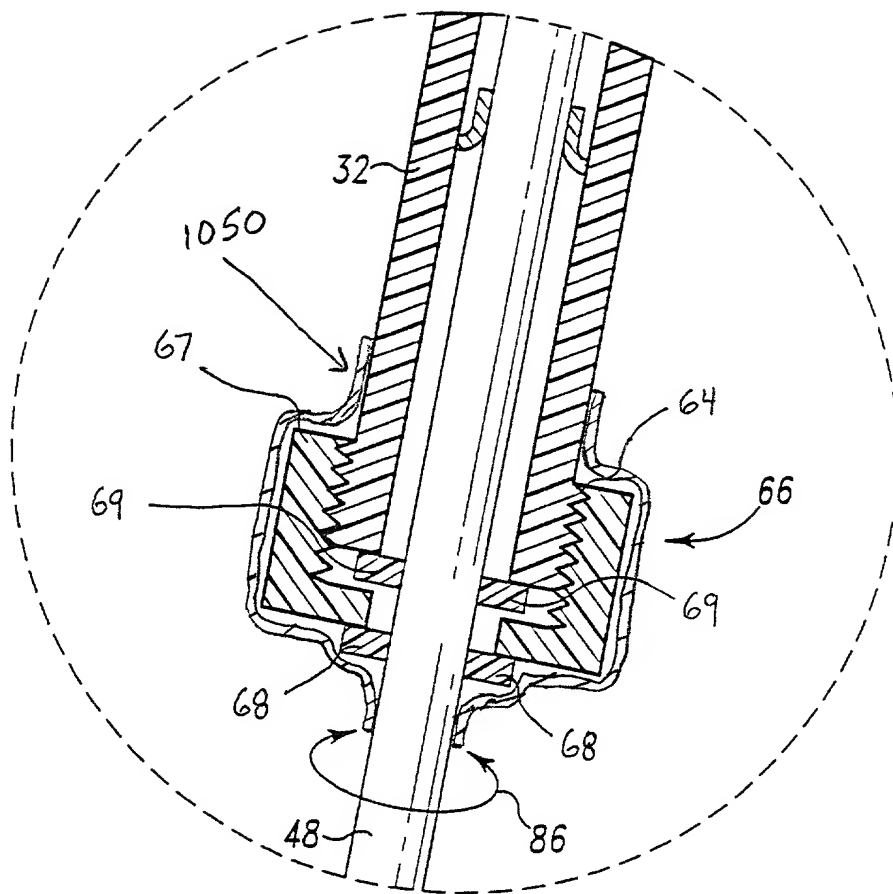


Fig. 57

1000527 120403

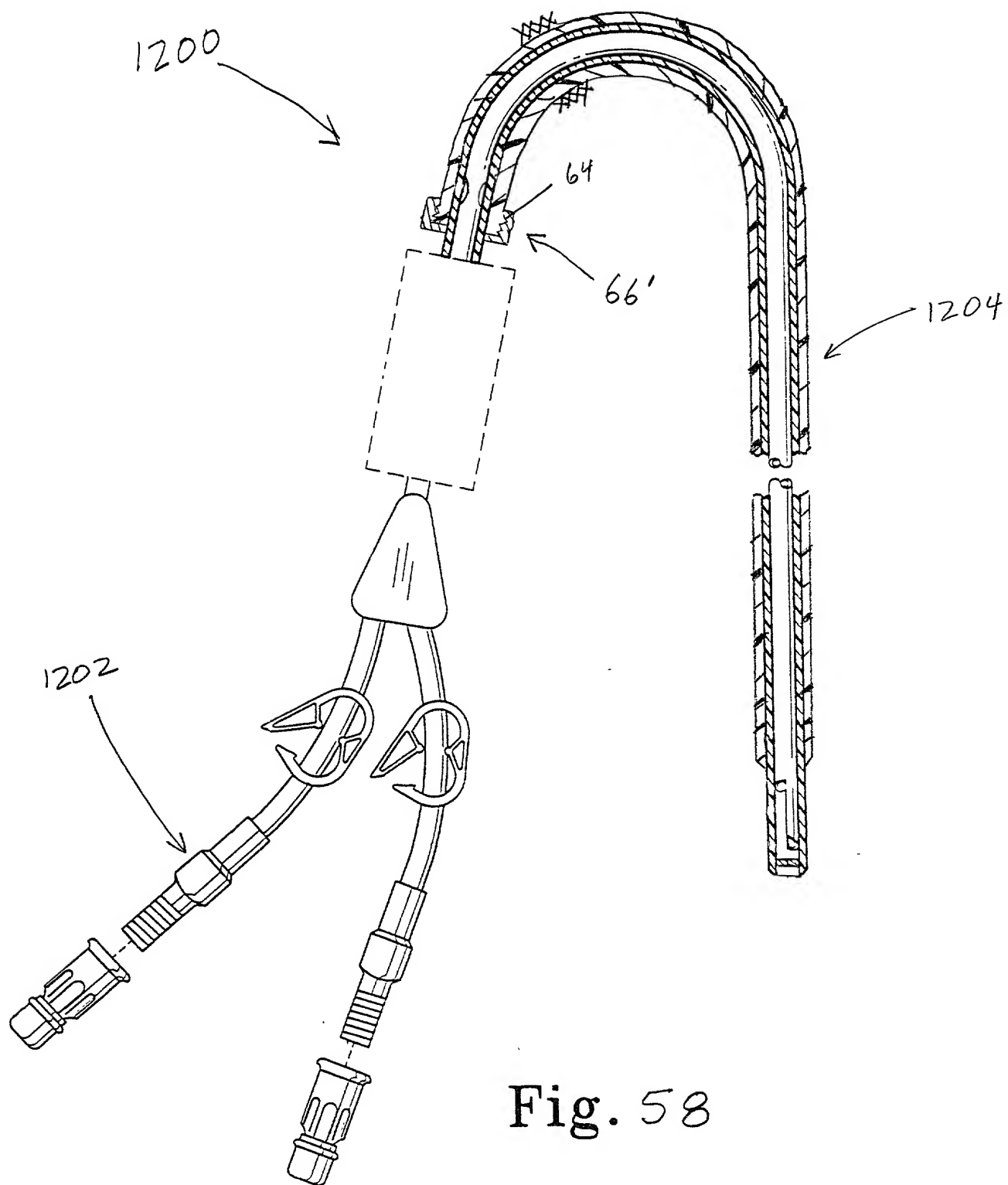


Fig. 58